

79 824

Volume 7
September 2011

GIT
EMEA Edition

SECURITY

MAGAZINE FOR SAFETY AND SECURITY

5

Fire Protection

Video Management

IP Camera Tests

Access Control

Security for Banking

GIT SECURITY AWARD 2012

COVER: Milestone



milestone

The Open Platform Company

GIT VERLAG



Advantage Line

Advantage Line by Bosch

The choice you always wanted

Bosch Security Systems extends its video portfolio with Advantage Line – an all new affordable product range. Finally, everyone can afford the best! The Advantage Line portfolio of professional CCTV solutions is now available. Delivering reliable, long-lasting performance at a competitive price, these products combine great image quality with the lowest maintenance needs. They are also easy to install and operate, ensuring fast, simple set-up to save you time, effort and costs. Advantage Line products by Bosch are perfect for a broad range of applications such as small businesses, retail and schools. So don't delay, visit your local distributor today! www.boschsecurity.com



BOSCH
Invented for life

Regulations

When the question is posed "How many regulations do we need?" our natural reflex is to say that there are already more than enough regulations in our world and that we do not need more.

Almost everything is regulated. The size and form of vegetables imported or produced in the EU are regulated. In our daily lives we are constantly informed about the places where smoking is prohibited and where we have to drive slower than we would like to. In our professional lives the use of safety and security equipment is regulated in hundreds of local, national or international laws and regulations. Even the process to introduce new regulations is regulated. To

introduce new fire protection regulations on a national level you have to submit them to the EU for formal notification in order to allow them to submit any views on potential barriers to trade. This process takes about four months.

With all this in mind, we tend to be reluctant against new regulations, but I think there are still cases we urgently need regulations to save lives and where we should fight for international regulations. In Germany alone, each year about 200,000 fires, 600 victims of fire and 6,000 burn victims with long-term damage are reported due to domestic fires. As one reaction to the threat of domestic fires, more and more countries are thinking about regulating the use of smoke detectors. In some parts of Germany, politicians are already responding to the recommendation of fire brigades to use smoke detectors. In 10 German federal states, there is an obligation existing to use smoke detectors. In the UK the rate to equip private buildings is high and here UK fire brigades play an important role. Some fire and rescue services in England offer free home fire risk checks. In France the mandatory use of smoke detectors run through French legislation momentarily.

Is a regulation necessary or is the appeal to the "responsible citizen" and information of the citizens already sufficient? I think a regulation is necessary since for a positive decision to install smoke detectors otherwise you have to convince too many people: House owners, builders, planners and representatives of the housing industry. A regulation would help – and save lives.

Enjoy reading this issue!

Heiko Baumgartner

RFID-Technology for Innovative Access Control

proxMagic®

• High Flexibility

One reader for all proximity technologies.



bioProx®

• Double Security

Contactless access control and biometric verification.



tranSpeed

• High-Speed Access Control

Vehicle access and car park management for indoor and outdoor installation.



proxSafe®

• Perfect Control

Secure and electronically recorded management of keys and valuables.



deister electronic

deister electronic GmbH
Hermann-Bahlsen-Str. 11
D-30890 Barsinghausen
Tel: +49 (0) 51 05 - 51 61 11
www.deister.com

The RFID Company

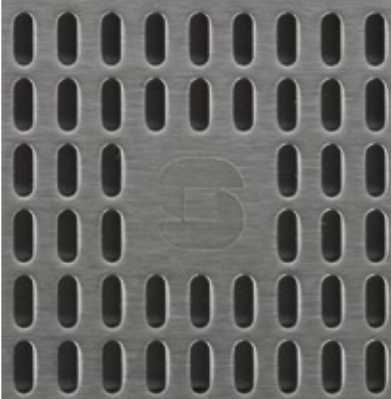


30

COVER STORY

Safely Parked

Surveillance Solution Ensures Safety in Swiss Multi-storey Car Park



26

COMMUNICATIONS

Here and Now

Building a Critical Communications Infrastructure



28

SECURITY FOR SPACE CENTER

A Secure Launch

Geutebruck Provides Security for European Space Center in French Guiana



32

INTERVIEW

Smart Defense

Protection against Eavesdropping of Cellphones

EDITOR'S NOTE

Regulations

Heiko Baumgartner

3

SECURITY

COVER STORY

Safely Parked

Surveillance Solution Ensures Safety in Swiss Multi-storey Car Park

30

INTERVIEW

Smart Defense

Protection against Eavesdropping of Cellphones

32

CCTV

Superb Servers and Modern Memory

Efficient and Energy-Saving Server & Storage Solutions

34

On the Spot

Establishing How Many Pixels You Really Need

36

AIRPORT SECURITY

What a Carry On!

Detecting Plastic and other Explosives at Molecular Level

38

Test the Best!

In Focus: Arecont Vision AV2805 DN

40

In Focus: Samsung SNB-7000

41

Yes, End to End IP

High Picture Quality, Efficient Image Compression and a Cost Effective Way to Migrate to IP Security

42

SECURITY FOR RESIDENTIAL AREAS

Put On Your Thermals

Thermal Imaging Cameras for Home Security

44

SECURITY FOR BANKING

A Centralized System for ATM Security

Video Management Software Helps Bank to Secure Their Most Vulnerable Installations

50

Video Security for 1,200 Branch Offices

Hybrid Digital Video Recording for 1,200 German Branches of Commerzbank AG

52

MANAGEMENT

GIT SECURITY AWARD

Vote for GIT SECURITY AWARD 2012

13

CONTROL ROOMS

Front or Rear?

Advantages and Disadvantages: Front- or Rear Service for DLP Rear Projection Videowall Cubes?

24

COMMUNICATIONS

Here and Now

Building a Critical Communications Infrastructure

26

SECURITY FOR SPACE CENTER

A Secure Launch

Geutebruck Provides Security for European Space Center in French Guiana

28



34

CCTV
Superb Servers and Modern Memory
 Efficient and Energy-Saving Server & Storage Solutions

58

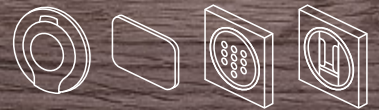
SECURITY FOR RETAIL
Cut Your Losses
 The Latest Applications of IP Cameras in Retail Outlets

60

ACCESS CONTROL
Access IT Project – Part 1
 A 3-point Check for the Right Access System and what Systems Are Available



THE BEAUTY OF A KEYLESS WORLD.



Protecting Life and Money
 Adapted Security Systems for New Branch Concepts

54

FIRE PROTECTION

Two into One Does Go
 Multiple Sensor Fire Detectors with Selectable Operating Parameters

63

Single Security Banking Solution

56

GAS DETECTION
Good Choice

New Portable Gas Detector Designed to Deliver Low-cost, Multi-gas Solutions with One-button Simplicity

64

SECURITY FOR RETAIL

Cut Your Losses
 The Latest Applications of IP Cameras in Retail Outlets

58

SECURITY

ONLINE-SURVEY
 Network Video Surveillance Systems

66

IT-SECURITY

ACCESS CONTROL
Access IT Project – Part 1
 A 3-point Check for the Right Access System and what Systems Are Available

60

SECTIONS

News 6
 Security Products 46, 57, 68
 Fire Protection Products 62
 Company Index / Imprint 69
 Business Partner 70

Digital SmartHandle 3062.
 Our digital SmartHandle 3062 has won the red dot design award. The technology is impressive too. It offers a long battery service life, can be networked directly and features a special highlight – snap-in installation. Simply attach the escutcheon to the door leaf, tighten the screw, and you're done! Typically SimonsVoss.

Phone: +49 89 99228-0
www.simons-voss.com
www.facebook.com/SimonsVoss.AG

SimonsVoss
 technologies

Luxury London Hotel Secured with Salto

The Stafford London by Kempinski has chosen a bespoke electronic access control solution from Salto installed by Ansador. Over the years the hotel has undergone a program of continual re-investment, including a six-month closure for major refurbishment in 1996 and an annual



spend of over £1 million on redecorating and replacing fabrics and furniture. The opportunity was taken to upgrade and improve their security arrangements, so working in consultation with the hotel owner Ansador designed a highly secure and flexible electronic access control system for all individually decorated rooms and suites as well as a number of back of house doors. This consisted of 40 % retro fit to existing doors and 60% fitted to new doors using Salto's Aelement, XS4 and GEO (Global Electronic Opening) stand alone electronic locking systems. 134 guest room doors have been fitted with Aelement, 15 back of house doors with E9450 XS4 units including 4 online doors, and 10 GEO cylinders have been installed onto the doors of the Carriage House.

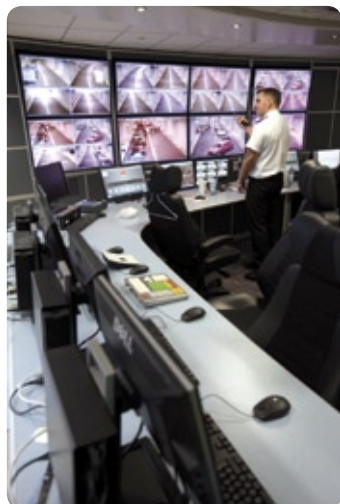
uksales@saltosystems.com

BSIA Calls for More Freedom to Trade in Europe

The Security Equipment Manufacturers (SEMS) Section of the British Security Industry Association (BSIA) has issued a firm position statement on third party testing, calling for the European Union to implement a fair, unified testing and certification regime to facilitate free trade for security manufacturers throughout EU member countries. Current procedures require security equipment manufacturers to get their products third party tested and certificated by individual test houses in many of the European member States, a procedure which is costly, time consuming and carries a significant administrative burden. Even with the advent of European standards in the 1980s, SEMS member products still have to undergo many different third party testing and certification regimes, even if the test houses are testing to the same European standard. The BSIA view is that this situation is unacceptable as it forms an unwelcome barrier to trade for all European security product manufacturers. www.bsia.co.uk

Sicura Contributes to New Tyne Crossing Project

Video surveillance at the River Tyne tunnel complex is managed by software developed by Sicura Systems. This includes Digiscada, which offers resilient monitoring and control of all connected devices and systems, and DigiLive workstations, which provide the interface between Scada and Digiwall, a fully-redundant video wall operating between mirrored servers. When fully operational at the site, Digiwall will display footage from fixed and PTZ cameras as well as data from client devices including access control, fire/smoke detection and ventilation. IP streams from analogue cameras, which are located mainly within the tunnels under the Tyne and at toll plazas, are being generated using blade encoders. Transmission of the 25 fps footage is via a fully fault-tolerant fibre network designed and installed by Vital Technology.



www.sicurasystems.com

Basler Continues Growth

Basler has published the figures for the first half-year of 2011. The company has continued growth in sales and realized double-digit earnings before taxes. The group's incoming orders increased to € 30.2 million (previous year: € 29.6 million, +2 %). The group's sales amounted to € 28.1 million in the reporting period, exceeding the previous year's value of € 22.6 million by 24 %. The earnings before taxes (EBT) summed up to € 3.3 million (previous year: € 2.2 million, +50 %). The pre-tax return added up to 11.7 % (previous year: 9.7 %). The earnings before interest and taxes (EBIT) amounted to € 4.0 million (previous year: € 3.0 million, +33 %). The return before taxes and interest calculated to 14.2 % (previous year: 13.3 %). At the end of the reporting period, liquid assets amounted to € 6.8 million and were thus by 28 % above the figure of the comparison period in the previous year (€ 5.3 million). www.basler-ipcam.com

Iveo Readers Secure Scottish National Arena

Iveo has been chosen as the biometric supplier to the Scottish National Arena, which will host the Commonwealth Games. The £112 million project with Bovis Lend Lease will be at the hub of public events, concerts, conferences and as aforementioned the commonwealth Games' Gymnastics and Netball in the future. The fingerprint readers' main job is to protect the site parameters as well as to record time and attendance of the construction workers. The readers use a multi-spectral imaging sensor that penetrates through some types of gloves, oils, dirt and grease on hands. The robust reader has an IP rating of 65, which allows the reader to function amidst environmental conditions; heavy rain, extreme sunlight and freezing temperatures. Therefore, throughout the seasonal calendar, Iveo's biometric readers are fully functional. www.iveoreader.com

Comnet: Costa Vice President of Engineering

Comnet, Communication Networks of Danbury, Connecticut, a USA-based manufacturer of fiber optic transmission and networking equipment, has announced that **Christopher Costa** has been appointed as the company's Vice President of Engineering. Costa will report directly to Andrew Acquarulo Jr., President and COO and will be responsible for managing the day-to-day activities of the Company's engineering department including the development and expansion of the Comnet fiber optic and Ethernet transmission product line and planned engineering department expansion. www.comnet.net



Briefcam and Pivot 3 Announce Integration Partnership

Briefcam announced an integration partnership with Pivot3, a provider of unified storage and compute infrastructure solutions. Briefcam Video Synopsis summarizes hours of events into a "brief" that takes just minutes to watch, whether online feed or offline archival footage. The technology is being used successfully by law enforcement, campus security, retail loss prevention and other sectors in which hours of video are recorded but, up until now, were seldom, if ever, reviewed. Pivot3 delivers an innovative approach to video surveillance storage where server applications share storage hardware resources to reduce overall power and cooling. Since NVR servers drive up to 50% of power and cooling requirements, the benefits of eliminating physical servers are immediate. Rachel.Neiman@BriefCam.com

Fujinon Joined Fujifilm Europe

On 27 July 2011 the completed merger of Fujinon (Europe) into Fujifilm Europe was published. With this merger Fujifilm made a major step towards the consolidation and integration of core business activities in Europe. Prior to that, in July 2010, Fujifilm Corporation, Tokyo, had absorbed its wholly owned direct subsidiary Fujinon Corporation. Following that move, respective changes were initiated in other regions of the world. Although the company name Fujinon will be replaced by Fujifilm, the brand name Fujinon will stay for the Fujinon products and the new Fujinon brand logo will mark all new products. www.fujifilm.eu

Honeywell Joins Mirasys Technology Partner Programme

Honeywell has received platinum level accreditation on the Mirasys technology partner program. Helsinki-based Mirasys, a provider of open platform high-resolution IP video and audio surveillance solutions, will provide Honeywell with standardized frameworks that ensure quality IP security integrations, as well as tools for turning technical integration work into tangible business benefits. As part of the program, Honeywell will have access to technical information including Mirasys product roadmaps, testing and demonstration licenses, and market resources, such as documentation and ready-made Mirasys-led integration capabilities. In addition, the accreditation will allow Mirasys and Honeywell to meet pre-defined integration targets and functionalities, which can be set through commonly approved business cases. "Working together with Honeywell allows Mirasys to expand availability of flexible and future-proof solutions to video system customers worldwide," said Jukka Riivari, CEO, Mirasys. "Both Mirasys and Honeywell are committed to driving innovation in the market, helping end-users to achieve evolving surveillance goals while enabling new business opportunities for both organizations." "The first Honeywell products to integrate with the Mirasys platform as a result of this new relationship are the new H.264 Equip IP cameras (HD3MDIHX, HD4MDIHX and HCD5MIHX)," comments Jeremy Kimber, Commercial Operational Marketing Leader EMEA, Honeywell Security Group. catriona.malone@honeywell.com

Mobotix: Distribution Agreement with Tri-Ed Expanded

Mobotix continues to strategically expand its geographic reach in the Americas and announced that it has expanded its distribution agreement with Tri-Ed / Northern Video, an independent wholesale distributor of security and low voltage products. The strategic partnership allows Tri-Ed / Northern Video to distribute the full-line of Mobotix IP-based security solutions in its Canadian branch offices, while continuing to deliver the manufacturer's technologies through its robust U.S.-based network. The manufacturer offers a complete line of high-resolution, networked security solutions including the award winning Q24 Hemispheric Camera and T24 IP Door Station.



info@mobotix.com

Securitas Enters Croatian Security Market

Securitas has acquired 85 percent of the shares in the security services company Zvonimir Security in Croatia. Zvonimir Security is one of the leading security services companies in Croatia, and has 1,000 employees. The company offers mainly guarding and mobile services and operates across Croatia. The Croatian security services market is fragmented, however the top ten companies account for 60 % of the market. gisela.lindstrand@securitas.com

Geutebruck Opens Office in South Africa

Geutebruck now has a new African subsidiary, Geutebruck Southern Africa (Pty) Ltd based in Meyersdal near Johannesburg in South Africa. Managed by **Charles Volschenk**, who has returned to his native land after a spell as Geutebruck's international sales director, this is now the sales office for sub-Saharan Africa and will provide technical support for local partners across the region. The manufacturer currently has three integration partners in the region: Multivid, a partner for several decades, as well as new partners, Omega Risk Solutions and Siemens SA. It is planned to expand further with only two more South African partners, of which one will come from the IT stable. Meanwhile, Geutebruck Southern Africa is also seeking system integrator partners for Namibia, Botswana and Zambia with other countries to follow. info@geutebrueck.com



Nuremberg, Germany
17 – 19.1.2012

PERIMETER PROTECTION

International Trade Fair for Perimeter Protection,
Fencing and Building Security

with Perimeter Protection Congress
arranged by



Your security lead

- A must for installation contractors, all operators and planners, and security officers from industry, commerce and official agencies
- The latest technologies and developments in active and passive security systems
- Exhibition and congress – extensive first-hand information
- All relevant manufacturers and service providers

A good decision for security's sake!

Congress programme and entrance tickets at:
www.perimeter-protection.de/ticket

Please ask for information:

NürnbergMesse GmbH

Tel +49 (0) 9 11.86 06-49 02

visitorservice@nuernbergmesse.de



Messe GmbH & Co. KG

NÜRNBERG MESSE

PPG Site Secured by Siemens

Siveillance SitelQ Wide Area from Siemens Building Technologies Division enhances security procedures at a chemical manufacturing facility owned by PPG Industries. PPG is a global manufacturer and supplier of paints, coatings, optical products, specialty materials, chemicals, glass and fiberglass. Serving customers in construction, consumer products, industrial and transportation markets, it operates on the leading edge of new technologies and solutions. The company operates in more than 60 countries around the globe. PPG reviewed the surveillance system at one of its largest and uniquely located sites. While the system recorded activity 24 hours a day, accurate real-time surveillance was limited to periods when security guards watched video-feed without interruption. Siveillance SitelQ Wide Area is an automated large-scale video surveillance solution that transforms traditional physical security systems by combining camera and other sensor (intrusion, fire detection, access control etc.) input. It provides reliable protection for industrial facilities, transportation hubs and byways such as seaports and airports, water treatment facilities and other critical infrastructure by continuously monitoring sites through intelligent policy zones and virtual barriers – even across water.



www.siemens.com

CBC: Dave Riley becomes Head of Sales

Dave Riley has been promoted by surveillance solutions manufacturer CBC (Europe), becoming the company's Head of Sales for the UK & Ireland. He joined the Company earlier this year as Senior Sales Consultant with the CCTV Division, bringing with him a 37 years' security industry experience. Dave Riley is now concentrating on strengthening customer support for the Company's expanding systems in retail and other commercial security applications, ensuring that installers, system integrators, end users and others benefit from the company's wide range of advanced systems.



rpatel@cbcuk.com

Geutebruck: New Logistics Industry Team

Geutebruck now has a specialist sales and development team dedicated to the logistics industry. Key manager for this vertical market is a new recruit **Torsten Schmid** (44). His 20 years experience in the logistics industry is already informing the activity of fellow team member **Norbert Herzer** (40) who has responsibility for developing industry-specific solutions. A software developer with the Company for the last eight years, Herzer has carried out many system integrations for logistics industry users and is familiar with many of its needs. In Herzer's experience: "Our Geviscope products already have an enormous range of basic functions which can meet practically all our customers' requirements. Now our focus is on the specific demands of the logistics industry: defining the ideal support tools for its processes and refining our offering to deliver them as standard."

info@geutebrueck.com

Nedap Strengthens Position in Germany

Nedap is strengthening its market position in Germany with a new business partner; 'Nedap Technology Partner' (nTp). nTp was founded by former managers of Primion Technology, who have extensive market and technology know-how. Jürgen Schneider, one of the founders of nTp, is chairman of the Technical Committee of Integrated Network Engineering at the Federal Association of Manufacturers and Installers (Bundesverband der Hersteller und Errichter, BHE). In his view standardization determines the future of IT.

www.nedap-ntp.com

Maltese Care Home Provider installs Fire Detection by Hochiki

The Care Malta Group is Malta's largest private care provider and operates six facilities across the island. The company employs a team of over 500 highly qualified personnel who are focused on providing quality care services and facilities management. Firetech was invited to tender for, and was subsequently awarded, the contract to install Roseville's fire detection system by the project's M&E contractor. The company was commissioned to install a BS5389 compliant category L1 addressable fire detection system. Roseville is a four storey, early 20th century house and is one of Malta's few Art Nouveau villas. In order to maintain the aesthetic integrity of the building, the fire rated cables were installed in a way to make them as discreet as possible during the first fix. The Company installed cables between the bricks and any other visible cables were hidden in stone colored trunking. Where possible, false ceilings were also created which could house the cables and keep them out of sight. To enhance the safety of the building the Company integrated Roseville's heating, ventilation and air conditioning (HVAC) system into the control panel. Authorized staff can now control the closure of all fire doors and shut off the air conditioning system to reduce the spread of fire, should the need arise. A wide variety of Hochiki products were installed including heat sensors, mains relay controllers, call points, sounders and sensor bases. Over 220 of Hochiki's innovative ALG-EN optical smoke sensors were also installed which feature the company's High Performance Chamber Technology. By redesigning the internal optical angle and chamber structure within the photoelectric smoke detector, Hochiki's chamber design minimizes the differences in sensitivity experienced in flaming and smoldering fires. The result is a high performance optical chamber that is equally responsive to all smoke types, helping to reduce the possibility of unwanted alarms.

e-marketing@hochikieurope.com

Gunnebo Acquires Alltech

Gunnebo security group has acquired Johannesburg-based Alltech. The acquisition was made to strengthen Gunnebo's platform from which to develop and leverage its world leading Entrance Control offer to all African markets. Alltech was founded in 1999, has an annual turnover of MEUR 3,7 and 28 employees. The company primarily develops, manufactures, sells and installs full and part height turnstiles, spike barriers and boom barriers. "With the acquisition of Alltech we get a profitable platform to continue the expansion of our entrance control business into the growth markets in Africa", says Martin Houseman, Regional Director Gunnebo Africa and Middle East."

www.gunnebo.com

CEM AC2000 for New Zealand Department Stores

CEM Systems, part of Tyco Security Products, announced that their AC2000 SE (Standard Edition) security management system has been selected to secure fashion department stores in New Zealand.



The stores are part of New Zealand owned Farmers Trading Company, and Vitag Security Solutions will install the system. Established in 1909, Farmers Trading Company has nearly 4000 staff and over 65 stores across New Zealand. "The CEM AC2000 SE was selected to meet Farmers requirements as it has been successfully installed at sites throughout the world where security really matters", said Andrew Fulton, Business Development Director for CEM Systems.

rmarley@tycoint.com

Changes to Kaba's Board of Directors

The terms of office of Ulrich Graf, Riet Cadonau and Klaus Schmidt expire on the date of the Annual General Meeting, 25 October 2011. Riet Cadonau became CEO on 1 July 2011, and on this date stepped down from the Board of Directors for reasons of good corporate governance. Existing Board member Daniel Daeniker took over from him as Chair of the Audit Committee. For personal reasons, Klaus Schmidt is not seeking re-election.

www.kaba.com



MegaDome®

Performance, versatility and efficiency...
from **every perspective**

Any way you view it, MegaDome® Series megapixel dome cameras deliver superior performance and functionality for any video surveillance application. They're an all-in-one imaging solution complete with a high performance megapixel camera, megapixel lens and ruggedized IP66 rated dome enclosure. Available with 1.3, 2, 3, and 5 megapixel sensors in color or Day/Night configurations, Arecont Vision offers the MegaDome solution to meet your specific application. And MegaDome's highly efficient H.264 compression conserves valuable bandwidth and storage requirements further contributing to their lower total cost of ownership and ROI. It's all the performance, versatility and efficiency you need from any perspective. Only from Arecont Vision.

Arecont Vision
megapixel technology...
beyond imagination

+49 (2045) 41337-23
dach.sales@arecontvision.com
arecontvision.com
MADE IN THE USA

CEM Secures Debt Management Office in Nigeria

CEM's AC 2000 security management system has been selected to secure the Debt Management Office, Nigeria. The installation will be carried out by Acti-Tech. The Debt Management Office, Nigeria, was established in 2000 to co-ordinate



and streamline the management of public debt in Nigeria, with a view to helping the country develop while reducing poverty. A particular requirement "was to have a means of monitoring staff attendance, entry and exit times, so as to improve effectiveness and productivity." said Nosa Odiase, Sales & Marketing Manager, Acti-Tech. "The client was impressed that biometric verification using CEM's S610f fingerprint readers would guarantee full-proof time & attendance monitoring of all staff," Mr. Odiase continued. The AC2000 Lite system offers a full range of applications including time and attendance reporting, visitor management, display of alarms and events. The S610f is an intelligent IP card reader, controller and biometric solution in one integrated device and offers three levels of security – card, PIN and biometric. It has an internal database, which provides full off-line card and biometric validation and features a graphical LCD screen which displays meaningful messages such as 'Place Finger', 'Wrong TimeZone' and 'Access Granted'.

rmarley@tycoint.com

March Networks and Campus Protect Italian Solar Farms

March Networks has been selected along with local partner Campus to provide its Video Management System (VMS) platform and advanced video analytics for the protection of 50 remote solar farms across southern Italy. The sites can cost millions or hundreds of millions of dollars to build depending on their size and design, and may operate for years before those costs can be recouped. Most are located in isolated rural areas, making them prime targets for the night-time theft of valuable solar panels and copper materials, which can cause delays in energy production and economic success. In one recent incident, 230 solar panels were stolen from a single site in Italy, at a cost to the operator of EUR 250,000. The March Networks VMS software provides the video management needed to secure dispersed critical infrastructure sites. The company's PZZ IP cameras and four-channel Edge encoders feature both H.264 and MPEG-4 video compression to support flexible video streaming in low bandwidth environments.

emaspero@marchnetworks.com

Verint Open Innovation Network

Verint Systems announced the Verint Open Innovation Network, a program that leverages the Company's Action Intelligence solutions to create value and increase industry collaboration. Through the network, the Company provides access to its intellectual property portfolio, enabling organizations that market competitive or complementary solutions to utilize its patented technologies in their own offerings. "Behind our success is a long history of innovation that benefits our customers and partners" says Dan Bodner, Verint CEO. "As a market leader, we are committed to ongoing innovation and to enhancing industry collaboration."

www.verint.com/OIN

Arecont Vision: Technology Partnership with Lenel Systems

Arecont Vision announced a partnership with Lenel Systems International, provider of enterprise software and integrated systems. Arecont Vision's complete line of IP network megapixel cameras, including 1.3 MP, 2 MP, 1080p, 3 MP, 5 MP, 8 MP and 10 MP resolutions, are now fully integrated with the latest generation of Lenel's security platform OnGuard LNVR Version 6.4.500, Technology Update 1. In addition, Arecont Vision is now a Lenel global business partner, supporting customers across the country. "Arecont Vision provides our customers with cutting-edge megapixel video as an integrated solution with Lenel's OnGuard security platform," said Jonathan Lewit, Product Manager for Digital Video Solutions at Lenel. "OnGuard takes advantage of Arecont Vision's H.264 image compression and fast frame rates by integrating video, access control and visitor management, as well as additional database and operating system support."

www.arecontvision.com

CEM Systems Awarded

CEM Systems, part of Tyco Security Products, has been named the winner of the Emerging Markets Airport awards (EMAA) 2011. The CEM AC 2000 Security Management System was installed by ADT India and chosen to secure Terminal 3 as it offered Indira Ghandi Delhi International Airport (DIAL) a high quality security system. Utilizing the advantages of IP technology, the system installed at Terminal 3 represented one of the biggest IP based access control systems in the region. IP card readers were installed throughout airside/landside boundaries with highly secure S610f fingerprint readers installed at critical security points.



Philip Verner (r) and Hans Christian Ettengruber (l)

Global Retailer Uses March Networks Software

March Networks has received orders totaling 2.4 million US-\$ from an existing retail customer for the Company's Visual Intelligence software and professional Managed Services. The retailer will deploy the Company's scalable software to better manage more than 30,000 of the manufacturer's hybrid recording systems currently installed in the retailer's U.S. stores and membership warehouses. The software will provide the retailer with improved video compression, advanced software investigation tools, retail video analytics and future IP camera integration while equipping store managers and loss prevention investigators with high-quality video that can be accessed quickly from any networked location.

emaspero@marchnetworks.com

CBC Surveillance for Teesside Industrial Estate

CBC (Europe) has partnered with Visual Security Systems (Vizsec) to significantly improve protection at an industrial estate in north-east England. The CCTV technology installed has played a major role in strengthening security at Cowpen Lane Industrial Estate in Billingham, one of several such estates on Teesside. Cleveland-based Vizsec has deployed CBC's Ganz C-AllView ruggedized PTZ camera technology in a particularly novel way to provide rapid deployment surveillance in combination with wireless image transmission. As part of a 24-camera system operating around the estate, the C-Allview equipment provides crystal clear images within a vandal-resistant, IP67-sealed housing. The objective was to offer wireless based imaging from locations where cabling was inappropriate, with the option of relocating the system as and when crime was displaced.



rpatel@cbcuk.com

JVC New European CCTV Sales Structure

Through the formation of a new sales and product management team, together with the launch of new Superlulux products this year, JVC Professional plans to expand its influence on the European CCTV market. Fedja Vehabovic is now in charge of the European CCTV operation, leaving his old position as CCTV Manager for Southeast Europe, while Ian Galloway, formerly of Pelco, has joined JVC Professional's CCTV operation as Sales Manager for the UK and Ireland. With 27 years' industry experience behind him, Ian Galloway has the knowledge needed to ensure JVC's products reach a wider audience.

www.jvcproeurope.com

Everfocus UK: Robinson Is New Business Development Manager

EverFocus UK has appointed Peter Robinson as its business development manager to drive sales growth across EverFocus' range of HD-CCTV products. He will be responsible for ensuring the Company capitalizes on growth opportunities from the adoption of its HD-CCTV DVRs and cameras – which offer the simplest upgrade path to high definition (HD) for coaxial based surveillance installations. Peter Robinson brings over 30 years of industry experience to the Company. He started his career in Sheffield as a bench engineer working with domestic televisions. He made the move to London, working for Kings Cross Video servicing RCA surveillance equipment and then worked as Northern Regional Manager for distributors CCD which were later bought by Norbain. After CCD, he was recruited by Dave Simpson at AGE CCTV and during his time years at AGE he was promoted to Managing Director.



www.everfocus.com

Nedap Opens Training Center in Dubai

Nedap Security Management has opened a training center in Dubai, thereby strengthening its position in the Middle East. After several years of continuous growth Nedap Security Management moved to a bigger office in Dubai earlier this year. This office in the Dubai Silicon Oasis now also features a new training facility. This center located at DSO Head Quarters – Office D-205 in Dubai, has all the necessary facilities to give technical, sales and end-user training from beginner to expert level. It will feature as an international hub for Nedap, offering its services to both residents of the Emirates as well as to the other countries in the region.



www.nedap.com

Khalifa University: Cyber Operations Centre of Excellence

Khalifa University, Cassidian and Emiraje Systems recently established the Cyber Operations Centre of Excellence. The new center will be located at Khalifa University. The establishment of the Cyber Operations Centre of Excellence follows on from an agreement signed in 2010. As part of the agreement, Cassidian and Emiraje Systems committed to providing resources and equipment to Khalifa University to support the establishment and operation of the Centre, which in turn will encourage and support the development of intellectual property in the field of cyber operations at the University. The Centre will also enhance research capability in specified cyber technology areas including; networking security, mobility security, cryptology, forensics, and embedded devices such as Industrial Control Systems/Scada. Khalifa University Executive Vice President, Dr. Arif Sultan Al Hammadi, said: "The new Cyber Operations Centre of Excellence, has been set up to help facilitate advanced research for our PhD and MSc students, allowing our students to develop new skills which in turn will support the infrastructural security of the UAE."



www.cassidian.com

Securitas Acquires Cobelguard

Securitas has agreed to acquire the Belgian security services company Cobelguard. Enterprise value is estimated to 39 million Euro. Cobelguard has approximately 1,600 employees. The Company is mainly operating in guarding in Belgium, and has also operations in Luxemburg. With this acquisition, Securitas wants to strengthen its position in the retail segment. The acquisition is subject to approval from Belgian competition authorities.

www.securitas.com

EVAC+CHAIR®

**More Than Just The World's Proven No1
Emergency Stairway Evacuation Chair**

Evac+Chair is the complete Emergency Stairway escape Solution for people with reduced mobility, offering...

- ✓ **Certificated Escort Training**
- ✓ **5 Year Parts/Workmanship Warranty**
- ✓ **Annual Service Contracts**

Evac+Chair Mk3 carries 150kg load on 28° - 40° gradients and is NFPA compliant.

NEW Evac+Chair Mk 3

IN CASE OF FIRE USE STAIRS - NOT LIFTS

Evac+Chair International Ltd
ParAid House Weston Lane Birmingham B11 3RS GB info@evacchair.co.uk
Germany 06 - 238 - 984 - 6810 Fax 06 - 238 - 984 - 6835
International +44 (0)121 706 6744 Fax +44 (0)121 706 6746

www.evacchair.co.uk

Video Range Certified for Nuclear Facilities

Geutebrück had its complete product range certificated for use in Russian nuclear establishments. In Russia the testing and certification of physical security and safety products destined for nuclear power stations and other atomic facilities is the responsibility of the Interdisciplinary Special Training Centre (ISTC) at Obninsk, around 100 kilometres from Moscow. Part of Rosatom, the national atomic energy corporation, the ISTC provides advanced security training for managers and specialist staff working in the atomic field, and acts as the standards and certification authority for physical safety and security equipment used there. In 2010 GVS ZAO, Geutebrück's Russian subsidiary, took the unprecedented step of submitting practically the whole of the Geutebrück video security product range for certification. Thanks to co-operation with American partners, the ISTC is a world-class training centre. "We have a large range of technical teaching resources and our own training sites where dozens of the latest monitoring systems operate under realistic conditions," reports its principal Yury Barabanov. The laboratories and testing grounds have recently been expanded and equipped with the latest equipment for electromagnetic, functional, climatic and mechanical testing. Here new products and systems are checked under conditions, which are as close as possible to those found on nuclear sites, and investigations include examining responses to power failures and other technical problems.



Yury Barabanov, principal of the ISTC



Evgeny Taranov, head of the standards and certification at ISTC



Konstantin Arbutov, GVS ZAO's marketing manager for Russia and CIS countries

info@geutebrueck.com

Gunnebo Sells Perimeter Security Business

Gunnebo security group has signed an agreement to sell its Perimeter Protection business unit to Procuritas Capital Investors IV. Procuritas Capital Investors takes over 80% of the shares. Gunnebo remain with minor shareholding (10%) and some financing and 10% of the shares will be taken over by the Gunnebo Perimeter Protection management team.



Perimeter Protection management team (from left to right): Thorsten Grunwald, Matthias Lobner, Stephan Stephani, Axel Lohmann, Karsten Hamborg (CEO)

The Perimeter Protection operations primarily entail the production and sale of, and projects relating to, high security products, gates, fencing, posts and related service in Germany, France, Sweden, Norway, Denmark, Finland and a number of export markets. The business area has 400 employees and annual net sales of approximately 70 million Euros. Gunnebo remain with minor shareholding and some financing. "The sale of Perimeter Protection is in line with our strategy, which entails focusing and refining the Group's operations around the core business areas of Bank Security & Cash Handling, Entrance Control, Secure Storage and Services", says Gunnebo President and CEO Per Borgvall.

www.gunnebo.com

Xtralis Takes over Heitel



Xtralis has acquired Germany-based CCTV manufacturer Heitel Digital Video. "The intelligent remote monitoring market is one of the fastest growing segments of the maturing video surveillance market due to quickly advancing technology and industry standards. Intelligent remote monitoring provides proactive protection through video verified alarms and controlled response at much lower annual costs than alternative solutions.", Samir Samhouri, President and CEO of Xtralis explains. Like Adpro by Xtralis, Heitel has a very strong presence with central monitoring stations. By joining forces both companies will provide a complete intelligent remote monitoring platform including video verification, analytics and perimeter protection to the global market. Samir Samhouri: "The addition of Heitel will help the Xtralis group of companies excel and expand in the early detection marketplace in both geographic areas and market segments. The Heitel and ADPRO product offering, channels, and geographic presence complement each other. Together we will dominate the market for intelligent remote monitoring solutions. We think there is no considerable overlapping and we intend to keep going all products, channels, facilities and talents that Heitel generated in the past 20 years." The companies both want to work to increase the awareness of remote video monitoring and therefore expand the market. But the companies will also operate as two totally separate business entities working with their respective channel partners.

info@heitel.com

Safran Acquires L-1 Identity Solutions

After completing all required approval procedures, Safran announced that it has finalized the acquisition of L-1 Identity Solutions, an identity management solutions provider in the US for a total cash amount of USD 1.09 billion (USD 12 per share). L-1's businesses (biometric and identity management solutions include access control, secure credentialing and enrollment services) generated sales exceeding USD 450 million in 2010. L-1's financial results will be included in Safran's consolidated financial statements. L-1 will join Safran's existing security business, operating as Morpho, and will be renamed Morphotrust. The new company will be partly managed as a proxy structure, thus providing appropriate protection for U.S. national security.

www.safran-group.com

Morpho Detection: Brad Buswell new CEO

Morpho Detection, the detection business of Morpho, Safran group's security unit, announced its president and CEO of the last six-plus years is leaving the business and is succeeded by Brad Buswell, former vice president of global strategy. Dennis Cooke is moving to Ryder System, a transportation and supply chain management company. Buswell is an accomplished strategist with a solid background in driving growth, strategic business development and legislative affairs. He has a track record of success in working with the U.S. government, including the legislative and executive branches.

www.morphodetection.com

Norbain and Tyco Security: Partnership Reinforced

Tyco Security Products have announced a renewal of their sole UK & Ireland distribution agreement with Norbain. Tyco's product portfolio includes CCTV, Access Control and Intruder Detection solutions from brands such as CCure, Kantech and American Dynamics; all combining market leading technology with intuitive operation. The agreement marks a continuation of the 14-year partnership between the two organizations that has been bolstered further with the appointment of Anna Dewhurst as Norbain's dedicated Tyco Security Products business development executive, and a further commitment from Tyco with the appointment of channel manager, Martin McGrath.

www.tycosecurityproducts.com



Vote for GIT SECURITY AWARD 2012

Choose one product from each category

Here we go into the new season. The big names and also hitherto unknown companies in the security and safety business have submitted products for the GIT SECURITY AWARD 2012. Out of all the products, the Jury has nominated ten from each of the categories and presents them to you, dear reader, for your vote. You will find the products on the following pages – here now are the most important details about placing your vote.

Please let us have
your votes by November 11th,
2011 in category **A** –
by December 1st, 2011
in categories **B, C, D** and **E**

You have **5 votes** – **1 vote**
for each category.

By submitting your votes, you are
automatically taking part in the
reader's prize draw.



The regular readers of GIT SECURITY already know the conditions for our awards. New readers should know that it is never easy for the Jury to choose just ten products from the large number of product submissions, from which you should vote for the winners. Products that have not been nominated this time, or rather the companies that have submitted them, are strongly advised to try again next time.

The GIT SECURITY AWARD is publicized both nationally and internationally. So all the German-speaking readers of GIT SICHERHEIT and also those of this international edition GIT SECURITY, throughout the whole of Europe and as far as the Middle East and into Africa, are able to cast their vote.

The Jury with representatives of the BHE, TÜV, VDMA, ZVEI as well as the users has made the nominations, now make your choice on the following pages.

Who will win?

This reader vote will now decide which of the nominated products will receive the first, second and third prizes in the following categories:

- A – Safe Automation
- B – Fire Protection
- C – CCTV
- D – Access Control, Intruder Alarm,
Perimeter Protection
- E – Industrial Safety

Now it's your turn! You decide which product in each category should be the winner.

This is how to vote:

Fax: Simply complete the ballot paper (see insert) and fax it to us.

Internet: Go to www.PRO-4-PRO.com/go/GSA2012. There you will find instructions on how you can vote with a click of the mouse. And, of course, how you can call up information on the product highlights using the respective DirectCode. Further information can be obtained using the direct links to the companies.

E-mail: Alternatively you can send us an e-mail with the category and your favorite (only one per category) to GSA2012@gitverlag.com. Please remember to include your complete company address. Private individuals are not entitled to vote; a company address is absolutely essential.

Direct Code 



Win the reader prize!

Also this year we have obtained a really attractive product from the world of digital photography as the reader prize – a digital single lens reflex camera from Pentax. With a little luck, this could soon belong to you. To qualify, make sure you vote in the GIT SECURITY AWARD. Choose just one product from each of the categories A, B, C, D and E and simultaneously take part in the draw for this wonderful camera. This impressive Pentax camera will make you into a snapshot professional; taking photos will be fun and the technical highlights of the camera are all the rage. So we would like to say a big „Thank You“ to Pentax!

Employees of participating companies may not vote for their company's product. Employees of GIT VERLAG and Wiley are excluded from voting. Legal recourse is excluded.

Category A: Safe Automation

GIT SECURITY AWARD 2012 NOMINEE

Dold & Söhne: Safemaster STS Modular Safety Switch and Trapped Key Interlock System



This safety system, especially designed according to DIN EN ISO 13849 and certified by TÜV, combines the advantages of safety switches, solenoid locks and trapped keys in one system. The modular design offers highest

safety and flexibility. Safemaster STS includes electrical as well as mechanical modules. Already most simple combinations of modules allow a non wired, pure mechanical locking of safety gates up to PL e/ Cat. 4 to DIN EN ISO 13849-1. It is possible to monitor the main access points with electrical modules by Safemaster STS and other doors that are only seldom used, as e.g. maintenance doors, can be secured mechanically. Long wires to remote doors are not necessary. This saves wiring cost and expenses for extra monitoring and provides operation without disturbance.

Further Information at www.PRO-4-PRO.com/go/GSA2012

Direct Code **Q8J8**

Euchner : Guard Looking CEM BI Transponder-coded Guard Looking with a Minimum of Power Consumption

The CEM BI is a transponder-coded guard looking with bistable solenoid which operates on the closed-circuit current principle. These attitude allows the CEM BI to keep

up the guard looking function with a minimum of power consumption. Only for changing the state of the solenoid "real" power is needed. Compared to the standard solenoid guard lookings that must be supplied with power continuously, the CEM BI saves up to 80% of the power consumption. In particular for installations in which several safety doors are held closed for an extended period the CEM BI is the ideal choice.

Further Information at www.PRO-4-PRO.com/go/GSA2012

Direct Code **G3PT**



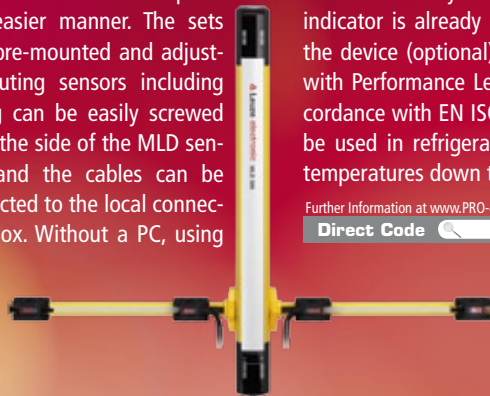
Leuze electronic: Sensor Sets MLD Set-AC Muting Accessories for Light Barriers

With the new Muting Sensor Sets for the MLD Multiple Light Beam Safety Devices from Leuze electronic, muting solutions can now be implemented in an even quicker and easier manner. The sets with pre-mounted and adjusted muting sensors including wiring can be easily screwed on to the side of the MLD sensors and the cables can be connected to the local connection box. Without a PC, using

only the wiring in the cabinet, the user selects one of 6 possible muting modes as needed (parallel, sequential, partial) – and the muting solution is ready for use. A muting indicator is already integrated into the device (optional). This solution, with Performance Level PL e in accordance with EN ISO 13849-1, can be used in refrigerated areas with temperatures down to -30 °C.

Further Information at www.PRO-4-PRO.com/go/GSA2012

Direct Code **B4RS**



Pilz: Line Inspection Device PLIDdys Safe Line Inspection Device

On single-channel two-wire connections, the safe line inspection device PLIDdys provides safe power-up and maximum safety on long cable routes. As a result, unintended power-up or plant start-up can be excluded in the event of an error. All potential wiring errors are detected through constant line inspection; no need for customised tests. Its small dimensions enable it to be integrated into existing plants, e.g. within the sensor or switch. The unit can be looped into the existing wiring, minimising costs; there's no need to change the periphery. It can also be used in applications with

increased environmental conditions (-30° to +70 °C) or dirty, dusty environments.

Further Information at www.PRO-4-PRO.com/go/GSA2012

Direct Code **CR2F**



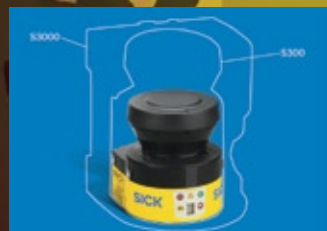
SICK: Mini S300 Safety Laser Scanner Maximum Safety in Mini Format

The new SICK S300 Mini safety laser scanner is the compact evolution of the safety laser scanners S3000 and S300. With a height of just 116mm and a footprint of 95cm² the S300 Mini is the world's most compact safety laser scanner of his kind and

enables an installation at minimum space requirement. The S300 Mini offers 16 triple field sets with one protective and two warning fields each. Additionally, it is possible to connect up to four safety scanners to the Flexi Soft Safety Controller. This makes the S300 mini able to handle the various demands and environments found in many applications. Thereby, the S300 Mini series achieves safety rating SIL2 in accordance with EN 62061 and realizes a Performance Level D per EN ISO 13849-1.

Further Information at www.PRO-4-PRO.com/go/GSA2012

Direct Code **VGQC**



Bihl+Wiedemann: Safety Basis Monitor
The Compact Safety Solution for Small Applications



Small safety applications can be implemented simply and cost-effectively using the freely configurable Safety Basis Monitor from Bihl+Wiedemann, consisting of a Safety Monitor and a switchable AS-i Master. The 22.5mm wide device, universally expandable with safe and standard I/O modules, provides 8/4 safe

inputs or 8 standard inputs and 8 indication outputs as well as 2 (4) electronic safe outputs on-board. An integrated USB port is provided for configuration using the ASIMON PC software. When replacing a unit, a chip card transfers all the information to the new module. For safety applications with up to 10 safe signals no external power supply is needed.

Further Information at www.PRO-4-PRO.com/go/GSA2012
Direct Code **9GUZ**

Siemens AG: Motor Management System Simocode pro
Fail-safe Motor Control

Using conventional safety relays for the fail-safe disconnection of motors stands for wiring effort and limited diagnostic functions. A manual combination of standard and safety functions also holds uncertainty for the user. Simocode pro offers a new solution: With the fail-safe digital expansion modules for the motor management system, safety technology for the first time is being integrated into the motor control without additional effort, while enabling broad diagnostic functions. In case of danger they allow for the fail-safe disconnection of a motor either with a local discon-

nection (e.g. Emergency Stop) or by submitting the shutdown signal from a fail-safe controller via PROFIsafe. The effective functional



safety standards are met. Normen zur funktionalen Sicherheit.

Further Information at www.PRO-4-PRO.com/go/GSA2012
Direct Code **YRYZ**

Steute: Foot Switch GFI/GFSI
Foot Switch with New Wireless Technology

With the new foot switch RF GFI/GFSI, the engineer can efficiently avoid the well-known spaghetti syndrome on the floor. Instead of

using a cable, the switch uses a very reliable 2.4 GHz wireless protocol to transfer signals to the control unit. Due to the energy-saving data transfer, battery lifetime normally exceeds one year. The new wireless standard ensures very short connecting and response times and a high availability even under rough conditions, as the classification in PL d according to EN ISO 13849-1 confirms.

Further Information at www.PRO-4-PRO.com/go/GSA2012
Direct Code **7KML**



IBF: Safexpert 8.0
New Generation of the CE Marking Software Safexpert

Fifteen years of experience were integrated into the new development of the approved CE-marking software Safexpert. The new generation 8.0 will essentially facilitate the safety related project management including risk assessment and CE-marking. Specially the continuous changings of harmonized European standards raise important questions to engineers: Are the running projects affected by standards-changings? Which safety-related solutions have to be re-evaluated due to standards-changings? Do the solutions from former projects still correspond with the state of the art? Beside the

new functionalities in handling of standards-changings Safexpert 8.0 also offers based on the enlarged internet standards-database totally

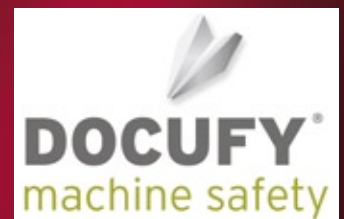


new features for efficient usage of industry-sector-specific knowledge out of C-standards.

Further Information at www.PRO-4-PRO.com/go/GSA2012
Direct Code **BPAY**

Omron: Docufy Machine Safety
Software for Modular Risk Assessment

The new software from Omron reduces time and costs for compliant making risk assessments according machinery directive. Docufy Machine Safety is considers all requirements of the new EN ISO 12100 and is easy to learn from. The base is an intuitive software interface that guides the user so that all aspects related to the preparation of the risk assessment are taken into account. Simultaneously it significantly reduces the time required. Once prepared assessments of modules can be reused and can be combined effectively with one another. The



software is designed as a web application with a central database and can therefore be used across all sites in full. It provides the user with the latest information such as standards and EU directives.

Further Information at www.PRO-4-PRO.com/go/GSA2012
Direct Code **ZBKT**

Category B: Fire Protection

Apollo Fire Detectors : Xpander – Detection System Wireless Fire Detection System

The Xpander system is comprised of individual detectors, call points and alarm devices which communicate with the Apollo addressable loop by radio signals. Each Xpander device is assigned an address. The complete Xpander range is the first to be granted the wireless fire stand-

ard, EN54 Part 25, which is a key standard for European compliant radio products. The Xpander wireless solution from Apollo eliminates cabling difficulties, minimises disruption, enables rapid retrofit, ideal for temporary and permanent out buildings and preserves aesthetics. Xpander can be incorporated into many fire detection systems such as stately homes and architecturally sensitive buildings where the use of fire cables is either impractical or undesirable.

Further Information at www.PRO-4-PRO.com/go/GSA2012

Direct Code **QD77**



Gretsch-Unitas : Escape Route Sliding Door HM-F FT Escape Route Sliding Door Reconciles Conflicting Standards

In buildings as retirement homes, hospitals, hotels etc. escape route sliding doors have to be locked at night, even if there are still people inside the building.

In opposition to the redundant escape route sliding door, the HM-F FT ensures safe access to the escape route even in locked status respectively in OFF/NIGHT operating mode. So far the only possibility was an additional swing door or the particular approval by a construction supervisory board. Thanks to the type-tested

escape route sliding door HM-F FT (according to the German directives AutSchR and EltVTR) no individual approval by building authority is re-

quired. This provides reliable planning.

Further Information at www.PRO-4-PRO.com/go/GSA2012

Direct Code **GVZB**



detectomat: Smoke Detector HDv sensys solar Solar Smoke Detector

This eco-friendly solution utilising the latest energy-efficient technology doesn't need a battery: it is powered by a photovoltaic cell! Normal room illumination is 500 Lux but the smoke alarm only needs a daily illumination of ca. 20 Lux. This is enough to charge the buffer capacity and continue to operate with full functionality for up to 4 days in darkness. Further advantages are the longer lifetime of the photovoltaic cell and the elimination of the influence of temperature



on battery life. The next step will be the integration of the photovoltaic cell into the socket of the smoke alarm: By locating the power source in the socket it will provide the power source for the initial smoke alarm and its 10 year replacement (law in Germany).

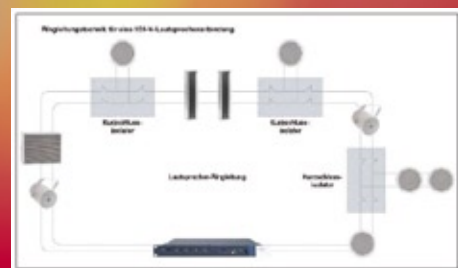
Further Information at www.PRO-4-PRO.com/go/GSA2012

Direct Code **2QPE**

Novar/Esser: LSN Loop Technology for Voice Alarm Aystems Increased System Reliability and Reduced Wiring Costs

As a rule, 100 V loudspeakers are still connected to voice alarm systems using spur line technology. This involves a high risk of system failure. Systems that comply with DIN VDE 0833-4 can be equipped with A/B wiring to minimize the risks caused by wire breakage and short-circuits. The fire alarm technology sector has been successfully using LSN technology for the past 20 years. In contrast, LSN loop technology has not become established as a standard feature of voice alarm technology because these systems necessitate a much greater transmission of power. This

produces a greater number of demands to be met by this sector. The main advantages of LSN ring technology include 100% operational reliability, simple replacement of



the A/B wiring, E30 wiring rendered partially superfluous and use of second loudspeaker in smaller room rendered superfluous.

Further Information at www.PRO-4-PRO.com/go/GSA2012

Direct Code **FRVS**

Hekatron: Genius Hx Radio Module Pro Radio Linking for Best Connection

The Genius Hx Radio Module Pro provides numerous unique features to the smoke alarm market. The removal detection feature indicates any unauthorized removal or damaging of a Radio Modul Pro equipped Genius Hx Radio Smoke

Alarm. Radio link monitoring is an additional novelty performing day-to-day presence tests of all Radio Modules being interlinked. The fast alarm transmission increases safety with the Radio Module Pro transmitting alarms considerably faster than other products of similar kind. Alarm localization, also a brand new feature, allows the seat of a fire within the radio network being pinpointed rapidly. The Radio Module Pro complies with the VdS-Guideline 3515.

Further Information at www.PRO-4-PRO.com/go/GSA2012

Direct Code **VLKU**



GIT
SECURITY
AWARD
2012
NOMINEE

Schraner: mobileF-App Alarm localization over iPad

The mobileF App transforms the iPad into a multi-functional information medium for alarm and message localization. They keep all information of the fire alarm system with FAT-5 event current and at each place with W-LAN and/or GPRS/UMTS connection. The base



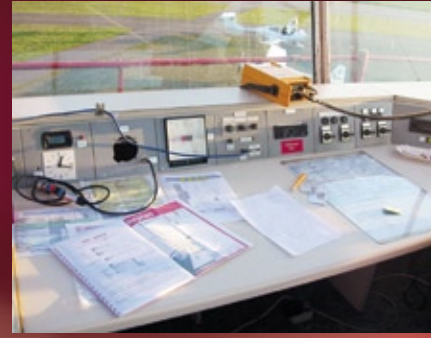
data from the FAT are linked with deposited information on a server and sent to iPad. Textual informations are indicated to DIN 14662 fire-brigade route cards are immediately callable. Investigation of objects and information for responsible persons are possible from each distance Responsible persons, places and instances are thus at any time informed about the condition of the fire alarm system. Prescribed revision work with only one person can be implemented by the immediate transmission, what leads to a substantial cost saving and a high security For logging all events in an adjustable History memory are deposited.

Further Information at www.PRO-4-PRO.com/go/GSA2012

Direct Code **CHST**

Vabeg Eventsafety: Vabeg-Safety procedure Procedure for Planning Safety and Security Concepts for Events and Locations

Principal item of the Vabeg-safety procedure is the „Vabeg-Concept“ for temporary events and the „Vabeg Hand Book“ for permanent meeting places and locations. The software-based concepts are a complex and practice-oriented all round concept. It contains all relevant legal regulations (>100), addresses and description of the places of public assemblage, preventative and personal safety, general safety analyses, safety concept, emergency plan, extensive hazard analyses, periodical inspections etc. The Vabeg-safety procedure, with its integrated software solutions Vabeg-Concept and Vabeg-Hand



Book, is being appointed to qualified personnel in security and/or technical organizations with high premises.

Further Information at www.PRO-4-PRO.com/go/GSA2012

Direct Code **DSSE**



Kidde: Circuit Control Unit EX 8000 New Multi-Circuit Control Unit EX 8000

The multi-circuit control unit EX 8000, having specifically been designed for industrial explosion protection purposes, assumes both control and monitoring tasks. The electronic system is arranged on a circuit board and can be adapted to several process requirements. The redundant electronic system and the readable data storage assure a high security level. Signals, being transmitted by sensors in case of an

explosion, are recorded, checked and evaluated. Since all functions of the CIE (Control and Indication Equipment) are continuously monitored, the control system achieves SIL Level 2. In case of a power failure the internal emergency power supply is able to feed the circuitry for 4 hours.

Further Information at www.PRO-4-PRO.com/go/GSA2012

Direct Code **WYAL**

Minimax : Compact Control Panel FMZ 5000 mod S Fire Detection and Control Panel

The compact control panel FMZ 5000 mod S can be used for various applications: as a fire detection and release panel for the control and monitoring of water and gas extinguishing systems, extinguishing water technology as well as kitchen protection systems. Thanks to the modular hard- and software assembly the control panel can be precisely designed to meet the project requirements - the customer receives a cost-optimised product. The total function is safely and quickly configured either with pre-built templates of the most common applications or for complex requirements completely free. Due to its clear indication and distinctly

divided menu the FMZ 5000 mod S is to be operated intuitively. A modern diagnosis and maintenance device simplifies servicing.

Further Information at www.PRO-4-PRO.com/go/GSA2012

Direct Code **BHTJ**



Bosch: Conventional Fire Panel 500 Series Fire Panels – as Easy as ABC

The Conventional Fire Panel 500 Series is aligned to the needs of small applications such as shops, warehouses, office buildings, schools or kindergartens. The attractive design and small footprint make them blend discreetly into almost any decor. The panels are easy to install, custom-configure, maintain and requiring little or no training. And it is also easy for end user to operate. Alarms can be investigated and verified before the outputs are activated. A night mode function provides enhanced safety by allowing customers to immediately trigger sounders and strobes in the



event that a fire is detected. The 500 Series is certified to the EN 54 2-4 standard, enabling integrators to offer affordable solutions without sacrificing safety.

Further Information at www.PRO-4-PRO.com/go/GSA2012

Direct Code **2E4B**

Category C: CCTV

GIT SECURITY AWARD 2012 NOMINEE

Avigilon: Avigilon Control Center Mobile Mobile Surveillance

Avigilon Control Center Mobile enables security professionals to connect to the Avigilon Control Center Network Video Management Software platform over any IP wireless network with Apple iPad, iPhone, and iPod Touch for remote view-

ing of live and recorded surveillance video. Leveraging Avigilon's High Definition Stream Management (HDSM) technology, Avigilon Control Center Mobile is designed to support high megapixel images and detail up to 16 MP over low bandwidth mobile connections. Leveraging the Avigilon Control Center Gateway, Avigilon Control Center Mobile can be easily connected to an unlimited number of servers and cameras, expanding access to video surveillance data for greater coverage and remote monitoring.

Further Information at www.PRO-4-PRO.com/go/GSA2012

Direct Code **HTTY**



Axis: Q1602-E Network Camera The Market's Most Light Sensitive Camera

Axis Q1602-E is suited in dark or low-light conditions where users require color information in the video to enhance recognition and identification of objects. The new Lightfinder technology on which the camera is based, will be especially beneficial in demanding video surveillance applications, such as construction sites, parking lots,

perimeter and city surveillance. In contrast to conventional day/night cameras which switch to black & white in darkness, Axis Q1602 can maintain colors even in scenes with very poor light. This capability enhances the user's ability to effectively identify people, vehicles and incidents. In many cases, IR illuminators are not required due to the camera's extreme light sensitivity, which reduces installation costs.

Further Information at www.PRO-4-PRO.com/go/GSA2012

Direct Code **KPGE**

AxxonSoft: Smart 2 VMS Video Management Software With Own File System and Forensic Search



AxxonSoft's VMS Smart 2 is usable with touch screen and is available with two new features. Own File System: Only for video data a special space gets reserved on the hard-disc, whereby the problem of fragmentation and defragmentation is being solved. Thereby the user has much faster access to data and the hard-disc is spared. Forensic Search: Already in the entry-level

version there are analysis tools such as line crossing, movement and stopping in one area, speed, differences in size and colors. The user can search in the file system after all these and other criteria within seconds; for example a search after a blue car in area x in the time from 3 pm to 5 pm.

Further Information at www.PRO-4-PRO.com/go/GSA2012

Direct Code **F85B**

Basler: BIP2-1600-25c-dn IP Camera High-speed Network Camera

Basler's BIP2-1600-25c-dn high definition network camera is the perfect solution for low light situations that require extraordinarily high frame rates. The 2 megapixel (1,600 x 1,200) CCD progressive scan sensor is extremely sensitive, yielding high quality true color images at a frame rate of 25 fps. This combination of speed, resolution, and CCD technology is absolutely unique in the video surveillance market. With H.264 High Profile encoding, bandwidth consumption and storage requirements are very low. Its global shutter technology

means that the camera can deliver clear images with reduced motion blur. In addition, the cam-



era is equipped with real-time trigger functionality for image capture triggering via an external signal.

Further Information at www.PRO-4-PRO.com/go/GSA2012

Direct Code **S14U**

Bosch: Dinion and FlexiDome HD 1080p IP Cameras CCTV Cameras Based on Dinion HD 1080p Technology

The cameras deliver full HD resolution images with excellent color differentiation even in low light. They are constructed with careful attention to detail, from the lens and specially selected image sensor to the built-in HD-optimized Intelligent Video Analysis. A new, next-generation camera design offers features such as extended operating temperature range, and the FlexiDome's special dome eliminates the bubble (unfocused) effect seen in traditional HD domes. Fast start-up and best-in-class motor-



ized auto-back-focus complement the user-friendly control interface. Both cameras are extremely energy efficient, consuming just 3.5 W

Further Information at www.PRO-4-PRO.com/go/GSA2012

Direct Code **9A8L**

CBC: ZN-B2MAP PixelPro Network Camera MP Bullet Camera with P-Iris Technology

The H.264-enabled network camera comes with a high-grade aluminum housing. The 2.5 μ CMOS sensor processes 25fps at 2.0 megapixel resolution. 42 infrared LEDs are integrated, with a range of about 25m. The camera offers dual stream, secure data transfer via HT-TPS, IPv6 compatibility and motion detection. Storage of alarm or timed frames is saved to SDHC card, access via FTP via the Internet worldwide is possible. The live stream can be watched via a browser or smart



phone. Zoom and focus can be easily adjusted during installation via network. The P-Iris in collaboration with the 3.3 mm–12 mm lens offers an unrivalled depth of field due to the exact and fine working and iris control.

Further Information at www.PRO-4-PRO.com/go/GSA2012
Direct Code **6FXH**

Dallmeier electronic: Panomera Multi-sensor System With up to 51 Megapixel in Real-time

Panomera is a camera technology, with which huge widths, as well as areas with large distances can be displayed with a completely new resolution quality. A huge area can be surveyed from a single location, which significantly reduces infrastructure requirements: Projects which previously would have required multiple HD cameras can now be realised with a single Panomera system. The Panomera effect far surpasses the conventional HDTV standard. All areas of the entire surveillance scene are displayed si-

multaneously with maximum detail resolution. Therefore, the known operator problem with PTZ cameras of having to choose between overview screen and detailed view is resolved.

Further Information at www.PRO-4-PRO.com/go/GSA2012
Direct Code **XPBA**



EverFocus: EDR HD-4H4 Hybrid Digital Video Recorder Megapixel and Standard Video over Coax

The Hybrid Digital Video Recorder EDR HD-4H4 combines HD-CCTV – Video over Coax – Megapixel video inputs (4x) and analogue video inputs (4x) in one device. The DVR offers real time recording and playback with up to 25 IPS (analogue inputs with D1 resolution, HD-CCTV inputs with HD resolution) at the same time and with dual streaming to optimize remote viewing bandwidth utilization. Both main monitor outputs (HDMI/VGA) can be used simultaneously. MobileV-

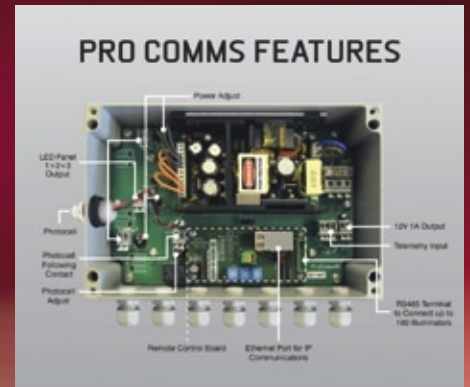
iew enables live view e.g. via PDA or SmartPhone (free MobileFocus app for iPhone, Blackberry and Android available). EDR HD-4H4 is the perfect solution for expanding current systems; the Full HD Megapixel inputs are simply integrated in the existing RG-59 coax cable net.

Further Information at www.PRO-4-PRO.com/go/GSA2012
Direct Code **7N7F**



Raytec/Geutebruck: PRO-COMMS Lighting System Remote Control Lighting System

The Pro-Comms lighting system is a joint development between Raytec and Geutebruck to deliver the ultimate in CCTV lighting intelligence. Designed to be used with Geutebruck's IR and White-Light LED lighting, it offers full remote control and diagnostics over an entire lighting installation via a single IP platform. A host of programmable features allow up to 99 illuminators to be controlled via a web interface from a remote location, either individually, collectively or in batches – minimising the time and cost of installation and improving night-time performance. PRO COMMS lighting



is also future proof. Features can be developed for customer specific requirements via a simple software upgrade, long after initial installation has occurred.

Further Information at www.PRO-4-PRO.com/go/GSA2012
Direct Code **GFQZ**

Samsung: SNO-5080R Network Camera High Definition All-in-one External Camera Solution

The SNO-5080R, which has the ability to capture superb 1.3 (1,280 x 1,280) megapixel images and complies to the HD standard, can be deployed in virtually any external situation and can installed 'out-of-the box as it incorporates all the component parts of an IP66 rated weatherproof day/night camera, including a varifocal lens, sun shield and bracket. This not only offers installers cost savings over purchasing individual parts, but also pre-build and installation time and costs. It also offers bi-directional audio and hPOE whilst H.264, MPEG4 and MJPEG compression methods allows simultane-



ous streaming of images to multiple locations at various frame rate and at different resolutions, enabling authorised users, to monitor live images at one location whilst recording video evidence at another.

Further Information at www.PRO-4-PRO.com/go/GSA2012
Direct Code **9JXT**

Category D: Access Control, Intruder Alarm, Perimeter Protection

Bosch: Blue Line Detectors Motion Detectors for Better Performance and Easier Installation



The Blue Line Motion Detectors are offering improved catch performance, enhanced false alarm immunity and easier installation. They are suitable for residential and other commercial small applications, are

very easy to install and deliver an expanded 12x12 meter wall-to-wall, gap free coverage area. The detectors can be positioned from 2.3 to 2.7 meters without adjustment, assuring no coverage gaps up to twelve meters away from the detector. The sealed optical chamber prevents drafts and insects from affecting the detector and pet immunity distinguishes between signals caused by humans and animals. Dynamic temperature compensation also adjusts sensitivity to accurately identify intruders regardless of room conditions.

Further Information at www.PRO-4-PRO.com/go/GSA2012

Direct Code **Q6FF**

Honeywell Security: Day Alarm-Plus Doorguard: Monitoring of Emergency Exit Doors

Honeywell Security's new concept "Day alarm-Plus" (monitoring of emergency exit doors) offers with increased flexibility. Remote Alarm Unit – unauthorized opening visible from a part: The alarm unit of the Day alarm-Plus can be installed separately, for example, directly above the door. You can see at one sight which door was opened. Simple operation: The unit can be con-

trolled mechanical with DIN profile half cylinder or a contactless card reader. Assignment of different access rights with the card reader use: enabling, targeted individual access rights.

Further Information at www.PRO-4-PRO.com/go/GSA2012

Direct Code **MY49**



Gunnebo Perimeter Protection: Tracked Gate M 50 Tracked Sliding Gate to Stop All Threats

The Tracked Gate M 50 is the fastest of its kind and designed as a high-security solution for sensitive access points. It is available with a clear width from 3,000 mm up to 7,000 mm, the height varies between 2,000 mm and 3,000 mm. With a crash rating of 7.5 t at a speed of 80km/h, the PAS certified tracked Gate M50 resists very high loads. The opening speed – depending on the model – can be up to 0,4m/s. A safety control board according to EN 13241-1 makes the Tracked Gate especially suited for environments like embassies, military fa-



cilities, power plants and prisons. Tri Protect powder coating makes the gate extremely durable against harsh environmental conditions.

Further Information at www.PRO-4-PRO.com/go/GSA2012

Direct Code **VZCA**

Gartner: GAT Terminal 3100 Access Control Terminal for 1, 2 or 4 Doors

The GAT Terminal 3100 for 1, 2 or 4 doors: The proven 1 controller/door solution corresponds to the ECO version (maximum of 2,000 persons/door). The DUO and QUAD versions control 2 respectively 4 individually administrable doors (maximum of 10,000 respectively 5,000 persons/door). The readers can be at a distance of up to 200m from the controller. The GAT Terminal 3100 PLUS offers additional functionalities in excess of the read/write station for offline credentials, alarm system control etc.: The test mode on the door is operational even prior to the



installation of the access control software. Updates of the terminal and the connected readers run via Ethernet and RS-485. The terminal versions all come with identical hardware and thus can be retrofitted for various applications with a simple software change.

Further Information at www.PRO-4-PRO.com/go/GSA2012

Direct Code **J9JF**

Interflex: IF-4072 Controller Scalable Access Controller

The IF-4072 controller family convinces through its multifunctional, powerful and user-friendly features for acquiring data via recording hardware from Interflex. The IF-4072 controller is technically state-of-the-art and can be integrated into a 10/100 MB Ethernet network. Power can be supplied via PoE HUB (PoE = power over Ethernet) without any problems. Thus, you can save the costs for a separate power supply. All of the bookings are transferred to Interflex host systems in real time. The control and monitoring of doors, for example,



takes place via two relays and 4 input contacts. The controller is available in four different versions which support two, four, eight or sixteen terminals. It can be upgraded by a software licence and fits perfect to changing demands.

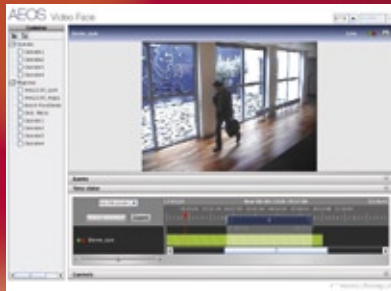
Further Information at www.PRO-4-PRO.com/go/GSA2012

Direct Code **BTHW**

GIT
SECURITY
AWARD
2012
NOMINEE

Nedap: AEOS IP-Video Management Access Control, Intrusion Detection and Video Surveillance in One System

Nedap introduces a truly open solution for IP Video Management which makes it easier for system users to handle alarms quickly and effectively. AEOS IP Video Management links security events and corresponding camera images to each other and these can be retrieved from one user interface within AEOS. Together with other security disciplines like access control and intrusion detection, video surveillance can be realized using the same controller and the same server environment. This significantly reduces the investment in hardware and requires less maintenance.



Third party software or DVR's are not needed; administrators are

completely free to decide where they want to store the video images and what onvif compliant camera they want to use.

Further Information at www.PRO-4-PRO.com/go/GSA2012
Direct Code **G61Q**

Winkhaus: blueSmart Increased Efficiency for Locking Systems

The electronic access control system blueSmart unites convenient building management with contemporary design, interlinking the advantages of offline and online solutions in an innovative way. In doing so, it increases efficiency in electronic locking systems and ensures cost-effective building operation. blueSmart uses a unique combination between an electronic locking system and a passive key which transmits its data via a virtual network and is able to circulate commands in a viral process. blueSmart is controlled

centrally in a convenient, flexible system which transmits information



between cylinders quickly without the need for cabling. Building control systems, time management systems or alarm systems can also be integrated.

Further Information at www.PRO-4-PRO.com/go/GSA2012
Direct Code **4L2A**

SICK AG: LMC123 Laser Scanner Laser Measurement Technology (LMC) – the Intelligent Path to Security

The LMC123 is the world's only laser scanner with VdS certification according to Photoelectric Switch Directive Class C with Environmental Classes II and IVa. It monitors ten variably configurable fields simultaneously with maximum accuracy. The position of any field infringement is reliably determined thanks to the precise teach-in of field limits. High availability and an extremely low false alarm rate are guaranteed. The laser scanner is easily integrated in existing alarm systems as a result of its relay or OPC interfaces. In addition, the transmitter and receiver are accom-

modated in a single housing – minimizing wiring effort. The LMC123 is used for monitoring facades open spaces and perimeter, as well as for securing ceilings and protecting paintings. Break-ins, theft and vandalism are reliably detected.

Further Information at www.PRO-4-PRO.com/go/GSA2012
Direct Code **FVZ6**



SimonsVoss: NFC-based Method to Transfer Access Authorisation Smartphones Now Open Doors

SimonsVoss presented a Study of an innovative NFC- and mobile telephone-based method that allows access authorisations to be transmitted to mobile phones. This technology is likely to be used in the future in the areas of home care and field maintenance in particular. In the past it was inconvenient for carers and maintenance staff to obtain the appropriate keys and then to return them. A lot of valuable working time was wasted in the process. The new NFC-based key distribution technology from SimonsVoss now allows to transfer access authorisations from an operations centre to a smartphone for a limited period on a day-to-day basis. The mobile phone then communicates via an NFC interface with the relevant SimonsVoss component (locking cylinder, door fit-



ting, SmartRelais). Doors, gates and barriers open automatically if the authorisation is correct.

Further Information at www.PRO-4-PRO.com/go/GSA2012
Direct Code **EQV9**

Reiner SCT: Time Recording and Access Control timeCard Time Recording and Access Control for Small and Medium-Sized Enterprises

The electronic time recording and access control system timeCard is consistently in line with the needs of small and medium-sized enterprises and can always be variably retrofitted. All system components are optimally aligned with one another and are based on state-of-the-art hardware and software. For the development of timeCard Reiner SCT engineers attach special importance to simple operation, extensive functions and high design quality. This is why the timeCard Multiterminal was presented with the reddot design award. timeCard

is a state-of-the-art complete system which is in no way inferior to significantly more expensive solutions. Cryptographic encoding methods make it very secure.

Further Information at www.PRO-4-PRO.com/go/GSA2012
Direct Code **1FMM**



Category E: Industrial Safety

GIT
SECURITY
AWARD
2012
NOMINEE

ABS Safety: Attachment Point-Lock OnTop Attachment Point for Bitumen and Synthetic Facings



The new attachment point by ABS Safety offers a totally new way of installation. Developed especially for bitumen and synthetic roof membrane sheetings the new ABS-Lock OnTop does not need to be charged

with any weights nor has the roof to be pierced. At first the attachment point can simply be placed on the rooftop. In a second step the crossbars of the ABS-Lock OnTop have to be covered with stripes of the same material the roof's surface is made of. Finally the stripes must be fused to the roof's surface. During this procedure the surface keeps its tightness. The ABS-Lock OnTop offers a reliable fall protection for three persons. It is EN 795 tested, made of stainless steel and offers excellent corrosion protection.

Further Information at www.PRO-4-PRO.com/go/GSA2012

Direct Code **XF2P**

Ansell: Multi-Purpose Protection Glove HyFlex 11-800 Increased Comfort and Less Hand Fatigue

Ansell Healthcare offers a new and enhanced version of its popular HyFlex 11-800 multi-purpose protection glove. The new HyFlex 11-800 is the first glove incorporating Ansell's patented "Zonz Knit Technology" reducing hand fatigue by providing stress release in the knuckle areas. This innovative technology uses a patented knitting process

with varying stitch designs that enhances glove stretch for maximum flexibility and dexterity. The glove offers an improved ergonomic fit for increased comfort, encouraging worker acceptance and compliance. The increased comfort of the HyFlex 11-800 is also guaranteed by the special knitting process that drops down the little finger. With the upper palm portion below the middle-three fingers knitted separately from the rest of the palm and the pinky joint mounted lower than the rest, independent movements are enhanced resulting in a more comfortable and better-fitted glove.

Further Information at www.PRO-4-PRO.com/go/GSA2012

Direct Code **G6HW**



Asecos : Safety Storage Cabinets VBF 195 Type 90 – Safety Storage Cabinets in a New Construction and Modern Design

The new range of safety storage cabinets by asecos presents innovative features for a secure storage of flammable liquids. The permanently integrated, drive-under base and the new „Q-Mover“ – which can be used as a „skateboard“ for cabinets – make daily work more flexible. Even wide cabinets can be moved upright through normal doors. Due to the extremely robust construction and a scratch-resistant structured paint finish, the cabinets are more resistant in day-to-day work. The 2-colour-concept offers a body



in anthracite and door leaves in a choice of 7 colours - for an individual and modern appearance. The new safety storage cabinets are available in 60, 90 and 120 cm width.

Further Information at www.PRO-4-PRO.com/go/GSA2012

Direct Code **DN7K**

Atlas: Safety Shoe alu-tec blueline / redline Safety shoe – Safe and Comfortable to Wear

With the "blueline / redline" shoe models the company Atlas is reacting to demographic change. A particularly wide fit provides a lot of roominess in the shoe. Soft and flexible leather make them more comfortable to wear and make day-to-day work more pleasant. Special feature: the "alu-tec " protective toecap. The Atlas lightweight safety shoes use the high-tech material aluminium. Thanks to the light aluminium toecap, the shoe's centre of gravity is displaced to the middle of the foot. This helps to prevent accidents due to stumbling. Moreover, comfort in walking is supported by



the thermally neutral behaviour of aluminium. So cold bridges cannot be created inside the shoe.

Further Information at www.PRO-4-PRO.com/go/GSA2012

Direct Code **342Z**

Dräger Safety: Alarm Amplifier Dräger X-zone 5000 Innovative Area Monitoring

The Dräger X-zone 5000 alarm amplifier can be used with the personal gas detection instruments Dräger X-am 5000 / 5600 for the measurement of 1 to 6 gases. With this combination it extends the application to area monitoring. Placed in areas where gas hazard is expected, up to 25 Dräger X-zone 5000 can be automatically intercon-

nected to form a wireless fence. Due to the very good perceivable alarms, the respective area can be evacuated immediately in case of emergency. It is possible to switch on and switch off external devices using the alarm contact. The Dräger X-zone 5000 is applicable for continuous operation of 120 hours and can be used for a whole working week.

Further Information at www.PRO-4-PRO.com/go/GSA2012

Direct Code **TD9A**



Ecom Instruments: Ex-Handy 06 Intrinsicly Safe Mobile Phone

The Ex-Handy 06 was designed especially for harsh hazardous environments. The "Gorilla Glass" used as display window is comparable to bulletproof glass and easily resists a drop test from a height of 1.80 m at -20°C without harm. It is dust proof and watertight (IP 67), certified for Ex-zones 1/21. The keypad is easy to use with a distinct pressure point, even when wet. The menu impresses by its intuitive structure. Even during loud environmental noise, the ringtones can be heard due to the extraordinary high volume. The Ex-Handy 06 features a real vibration alert via a separate



motor and is equipped with a PTT button. The phone supports all GSM 900/1800/1900 networks, giving you the possibility of being flexible and continuously available.

Further Information at www.PRO-4-PRO.com/go/GSA2012
Direct Code **U24R**

Elten: Safety Footwear Models Trainers Sporty Look, Comfortable – and Safe

The new safety footwear models from the Trainers series have a sporty look, which means they are comfortable – you can hardly tell the difference from the latest leisure footwear. This is due to the dynamic Trainers-outsole, which stands out particularly for its light construction. This doesn't imply that safety gets a short shrift; footwear based on the Trainers concept is non-slip, free of metal, and provides balanced heel stability and



tread resistance. The soles are also particularly resistant to abrasion, oil and fuel, and can withstand temperatures of up to 130°C. Thanks to its toe-cap and the fabric upper, the Trainers are especially light; and the leather-free material means that even those who are allergic to tanning agents can put on their shoes without a second thought.

Further Information at www.PRO-4-PRO.com/go/GSA2012
Direct Code **G6UN**

Plum: Eye Wash Duo Mobile Eye Wash Solution to Rinse Both Eyes Simultaneously



Some eye injuries affect both eyes. Foreign bodies can penetrate within seconds deeper into the eye tissue and cause further damage.

With the Duo rinsing solutions the greatest possible safety eyewash standard for first aid is achieved, because you can rinse both eyes simultaneously with a gentle even flow without losing valuable time. In addition, the special shape of the eye cup helps to keep the eyelids open. During rinsing the fluid is led away from the eyes. The bottles and stations are available in different variations, so they can be used at almost every workplace.

Further Information at www.PRO-4-PRO.com/go/GSA2012
Direct Code **TY92**

RKI Analytical Instruments: 4-Gas-Monitor GX-2009 Smallest 4-Gas-Monitor Worldwide

The GX-2009 is the smallest 4-gas monitor in the world. The 70x75x25 mm (BxHxT) and 130 g device simultaneously monitors combustibles, oxygen, carbon monoxide, and hydrogen sulphide. The GX-2009 is equipped with two buttons which glows in darkness. Other standard features are vibration alarm, auto calibration, calibration lock-out or reminder control, STEL/TWA readings and peak hold. Advancements include dual audible alarm ports and alarm LED's on 3 sides, so that alarm conditions are obvious from multiple perspectives especially in high noise environments. Other features include an impact and RFI resistant rubber coat that is dust- and waterproof. The GX-2009 contains a



180 min. fast charge mode and fully reloaded it the operation time is up to 20 h.

Further Information at www.PRO-4-PRO.com/go/GSA2012
Direct Code **G6EX**

Zweibrüder: Head Lamp LED LENSER H 14 Rechargeable LED Head Lamp

H14R is a rechargeable LED head lamp with outstanding luminance. It is continuously focusable and swivelling. Thanks to the intelligent fastening system, the lamp head can be detached from the head-band and attached your belt. The lamp's microcontroller-operated Smart Light Technology offers several programmes with different light modes, so that there's an appropriate light function for every

occasion. Choose from dim light, strobe mode, SOS emergency mode, continuously variable dimming, and of course, full light intensity.

Further Information at www.PRO-4-PRO.com/go/GSA2012
Direct Code **BXTP**



CONTROL ROOMS

Front or Rear?

Advantages and Disadvantages: Front- or Rear Service for DLP Rear Projection Videowall Cubes?

Some manufacturer of large video cubes promote front access systems, where you can open the cube screen from the front, but is this really a good solution?

Large screen systems that have rear access for service and maintenance have fixed screens and therefore a maximal gap of 0.68–0.8 mm between the individual modules (this gap is necessary to allow for temperature-caused variations of the materials). Frontal maintenance requires movable screens. This mobility of the screens is only possible with wider gaps between the cubes. The width of the gap between two front-maintenance cubes is up to 2 mm, so we cannot talk of a „seamless“ video wall anymore. The distance from pixel to pixel can be up to 1 mm with conventional rear maintenance-access, and this gap can be up to 2 mm with front-maintenance cubes (pixel to pixel).

Mechanical Reliability (Limitations)

Since the screen frame has to be moved for service and maintenance works, it must be guaranteed that its construction and installation is done in a very stable and accurate manner. Repeated opening and closing of a low-quality construction will lead to maladjustments of the screens, which will result in a loss of sharpness for the entire video wall. Already, variations in distance of only a few tenths of a millimeter can affect the sharpness of the entire system. Maintenance (exceptions with front-maintenance access):

The service staff has to stand in front of the video wall to do their work. This means they have to stand directly in the view of the people who are watching the video wall, so the operation of the entire wall is disturbed for a while.

Video walls with rear-access for service works can be repaired while the wall is in normal operation, except for the cube being repaired.

Advantages

- Saves space, no space for service and maintenance work behind the video wall required.



Rear access cubes

- No rail-system needed, which compensates for the higher price of the cubes.
- Electronic geometry adjustments with remote control or keyboard.

Disadvantages

- Wider gap between the cubes, up to 2 mm instead of 0.68 mm with conventional cubes.
- Difficult to service in operation, service staff disturbs the view on the video wall.
- Danger of damages and scratches that may happen to the screens of larger video walls, if the screens are not handled with adequate care.
- Servicing larger walls may require the use a scaffolding or an elevating platform, which leads to higher costs.

Even though eyevis prefers rear maintenance systems, frontal-maintenance systems are available for some of the rear projection cubes. eyevis has always given special attention to important matters such as the mechanical stability and accuracy of its products. This guarantees that there are no image distortions with eyevis frontal-maintenance solutions when they are appropriately handled. In order to have the same minimal gap as with rear-maintenance systems, eyevis developed rail systems for their

entire cube range. The purpose of the rail system is the possibility to mount the video wall directly in front of the wall of the building. For service and maintenance works, the rails simply have to be fixed to the basement, in order to drive the wall back and forth. The basement is made of a distortion-free steel frame with linear driving ability. The mechanism of the rail system allows the cube wall to drive back and forth without any tilting. There is no readjustment of the cube wall necessary after the movement. The large screen wall can be locked in end position.

► CONTACT

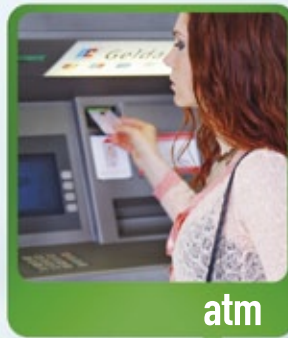


eyevis GmbH, Reutlingen, Germany
Tel.: +49 7121 43303 0 · Fax: +49 7121 43303 22
m.winck@eyevis.de · www.eyevis.de

Intelligent Video Surveillance for Highest Standards!

Modular Video Management Platform with Unlimited Scalability and System Integration

Axxon Intellect Enterprise



COMMUNICATIONS

Here and Now

Building a Critical Communications Infrastructure



In particular, the recent riots in England have shown that any sort of trouble can break out unexpectedly, anywhere, at any time. When it does, the rapid and effective response of the authorities, emergency and security services is critical to getting the situation under control quickly. This requires that people can communicate with each other and pass on vital information straight to the person who needs to know it. GIT SECURITY spoke with Thomas Hægh, Vice President, Products at Zenitel, and learned how the company's Stentofon Alphacom XE Audio Servers provide the robust platform for a critical communications system.

It is thanks to the quick response of our emergency services that hundreds of lives are saved every year. They are constantly on standby and have to face a new challenge each time they roll out. The better the information they have before they get to the scene, the better they can prepare themselves and respond. In the case of



Thomas Hægh
Vice President Product

dealing with a fire on an underground railway or in a power station.

But how do the emergency or security services know where they are needed? Usually they either receive a phone call from a member of the public who has seen a problem or they are requested to support another service that is already dealing with a situation. In some cases a need for action is seen with the help of CCTV and the appropriate emergency or security services are directed to the scene from a central control room. Thomas Hægh points out, "These are all reactive situations where the initiator is a person, and communication takes place over multiple separate systems that cannot inter-work".

More than Active

Advances in video technology mean that alarms can now automatically be raised on the basis of video content that fulfills certain predetermined

criteria. This lightens the load on the operators of CCTV systems and reduces the stress levels considerably. As Thomas Hægh observes, "Their attention is only brought to those locations where a potential problem exists. This mode of operation could be called pro-active because the technology makes people aware of incidents".

Occasionally it is even the fundamental infrastructure that is being rescued, such as an

underground railway or in a power station.

But how do the emergency or security services know where they are needed? Usually they either receive a phone call from a member of the public who has seen a problem or they are requested to support another service that is already dealing with a situation. In some cases a need for action is seen with the help of CCTV and the appropriate emergency or security services are directed to the scene from a central control room. Thomas Hægh points out, "These are all reactive situations where the initiator is a person, and communication takes place over multiple separate systems that cannot inter-work".

Technology is continually advancing and that brings with it the constant need for updated standards. Among the drivers for this is certainly the aim of integration with other systems to create the whole solution. But globalization has also become a driver as the same solution is sought ever more often across national borders. Joining or belonging to the EU has massive implications, and that includes compliance with standards. But which ones?

Get a Half-life

The trouble with standards is that they have a life. Initially someone has an idea and there is true recognition of a need – the conception



stage. A working group is formed to consolidate a few other similar ideas and this group produces a discussion document for the emerging standard – the birth – which is almost always later revised. Often the basic idea is hailed as the next best thing since sliced bread and there is a level of ‘over hype’ about how great things are going to be for everyone – the first few exciting days of life. After a while however, reality sets in after the initial enthusiasm, often because it has taken ages to get to the point where the standard has been finally defined – a maturing child. This brings some people to question whether it is the right way to go, become scared and run in another direction while others get impatient and produce their own proprietary solution – adolescence. A standard is at its prime of life when there is general value realization coupled with market introduction, widespread acceptance and commercial success. After a few years of being on everyone’s tongues, however, older standards are overtaken by younger, fresher ideas – politely called the best age. Finally no-one needs the standard anymore – retirement.

So from a manufacturer’s point of view, and one that intends to still be around a few decades later, it is important to have the products on the market that comply with the standards that are both widespread and durable, and not simply to jump onto the next bandwagon – a potentially costly step both short-term and long-term. As Thomas Hægh says, “Stentofon does not take part in any ‘standards wars’ but simply ensures compatibility with other systems through industry-standard protocols. There is an abundance of

protocols and abbreviations out there, not all of which will stand the test of time. The IP protocols however will definitely be around for many years to come and that is why the Stentofon AlphaCom XE audio servers use these to communicate with their own voice terminals and other peripheral equipment.”

On the Scene

Applying the full capabilities of IP communication enables impressive interaction with other systems. For example, if video analysis spots a problem somewhere and brings the picture up on the main screen, an AlphaCom XE system can automatically call up the nearest audio point to provide instant one or two-way communication with the people directly at the scene – it could be a wall-mounted voice terminal, a mobile radio channel, a desktop intercom station or a micro zone PA. And it doesn’t actually matter where on the planet that is, thanks to the system’s networking capability – international if necessary – using VoIP for cost-effective voice communication. Thomas Hægh gave an example, “Emergency alarms or pre-recorded messages – for example, the security or evacuation message appropriate to the situation – can be automatically played out. A further reaction to the initial trigger could be to open radio channels with mobile resources. In a city center, potential vandals or attackers can be spoken to directly by the CCTV operator before they even cause any trouble.”

The local terminal equipment of a Stentofon AlphaCom XE system can be specified according to the environment in which it is operating. For example, there will certainly be a need for noise canceling microphones in stations at roadside terminals or on the airport apron and vandal-proof stations elsewhere. Operational features such as priority override, push-to-talk priority, busy override and open duplex may also be necessary, depending on who is going to use

the terminals. A range of peripheral equipment is available from Stentofon to provide exactly the features and facilities that are required at that particular location, whether its a prison or a playground. “It’s possible to automatically open up the microphone on the closest intercom to hear what a group of people are talking about” says Thomas Hægh. “If it is established that they would do a break-in or attack a person, the control room operator could get security guards to the area before the incident happens. Mexico City, for example, is already equipped with 7,000 such intercom help points and more are being planned.”

Safe and Secure

IT managers will have network security at the back of their minds and maybe shudder at all this integration on an IP network. However, the risks can be obviated by setting up a DMZ and ensuring that HTTPS is used for secure logon of nodes. If each system then has its own internal firewall then external abuse becomes highly unlikely. To further lock down the network, multiple users with appropriate read only or read/write authorization can be applied. Where equipment has multiple Ethernet ports, then they can operate on different subnets so that no ‘back door’ exists. The 19” rack-mounted scalable AlphaCom XE audio servers support QoS and VLAN 802.1Q voice/data network access control as well as their own CCoIP (Critical Communication over IP) that ensures instant and secure delivery of voice and data services.

▶ CONTACT

Zenitel, Oslo, Norway
Tel.: +47 400 02 508
www.zenitel.com · thomas.haegh@zenitel.com

SECURITY FOR SPACE CENTER

A Secure Launch

Geutebruck Provides Security for European Space Center in French Guiana

The 'Center Spatial Guyanais' (CSG) otherwise known as the Guiana Space Center near Kourou in French Guiana is the spaceport, which France shares with the European Space Agency (ESA). Besides being the launch site for the Ariane rockets which are designed and built by partners in 12 European countries, Kourou also provides launch facilities for the ESA, the French space agency CNES, and as from 2011 Russian Soyuz rockets too.

Geutebruck France has been involved in providing a high security environment for the center since 2006 when a new multi-phase security design was drawn up and the initial contracts awarded. The first complete Geutebruck video security system was handed over in April 2009, with the sec-

ond large four-year project completed in partnership with the Italian company Telematic Solutions (Milan) in December of the following year.

At the moment, Geutebruck have three other security projects in hand: the CSG harbor in Kourou; the new launch complex for the Russian



The Ariane launcher

Soyuz rockets; and the whole of the new Vega launch site. The Vega is a new smaller European rocket which is scheduled to make its debut in 2011. Once these projects have been completed almost all the spaceport will be protected with Geutebruck systems.

Extensive Grounds

The space center's extensive site covers 850 square kilometers. Besides its launch facilities there are various satellite and rocket assembly buildings and a plant for producing solid rocket propellant. Geographically speaking, the space center is situated in a very favorable location. On the one hand, being near the coast means that there is only a short journey for valuable payloads that arrive by ship, and on the other hand, that rockets are launched over water rather than over populated areas. Its position close to the equator ensures that rockets get maximum assistance from the earth's rotation and makes it simpler and less costly to manoeuvre satellites into geosynchronous orbit.

However, favorable though the location may be in some respects, its hot and sticky equatorial climate is a considerable challenge for electronic hardware. Environmental problems including mould, small animals, insects, high humidity, salt water and strong sunlight mean that preventative measures are required against corrosion, condensation, the gradual loosening of electrical connections, galvanic coupling and the risk of dirt causing bad contacts. Consequently Geutebruck has had to ensure that there cannot be any condensation inside its cabinets or devices, that there is no possible ingress for insects, that all moving parts are sealed off from the external climate and that PVC materials are selected for their resistance to moisture and mould.

Large Scale Everything

The space center uses Geutebruck video systems for typical security tasks – for example surveillance of the 35 kilometer-long perimeter fence – and also for monitoring processes and procedures. Currently the equipment in service includes around 40 19" racks, 80 Geoviscope high end video system

platforms, 42 Geviraid systems, 10 evaluation stations and 10 viewer stations combined with monitor walls, which are made to meet specific technical requirements. There are 670 cameras, 1200 Helios floodlights and a 140 Terabyte database.

The space center is a multinational, multicultural environment where staff from many different companies work together but

which has to be organized with military precision. As the host agency, CNES is responsible for the design and quality assurance of the facilities. Both its project managers and the CSG end-users have expressed their satisfaction with Geutebruck's professional co-operation and with the performance of its video systems, and this sentiment is clearly reflected in Geutebruck's current order book.

► CONTACT

Geutebruck GmbH,
Windhagen, Germany
Tel.: +49 26 45 137 0
Fax: +49 26 45 137 999
info@geutebrueck.com
www.geutebrueck.com



LMC123: The certified art of non-contact surveillance

Flexible security for paintings and sculptures

The first and unique laser scanner certified with VdS class C: the compact LMC from SICK. With up to ten freely definable monitored areas, the LMC123 laser scanner feature variable daytime and nighttime scenarios, and thanks to the innovative double pulse technology it can also be installed behind glass. This makes it ideal for targeted area monitoring and the prevention of theft and vandalism.

More information at www.sick-security.com



Laser scanner LMC123
Nominated in category D
Intruder Protection + Access Control

SICK
Sensor Intelligence.

COVER STORY

Safely Parked

Surveillance Solution Ensures Safety in Swiss Multi-storey Car Park



Lucerne is one of Switzerland's most beautiful cities. As well as the world-famous Kapellbrücke and the water tower, the Lucerne Culture and Congress Centre (KKL) attracts many visitors to the city. The Lucerne KKL, built by the Parisian architect Jean Nouvel, is famous for its concert hall with phenomenal acoustics and the impressive views of the lake and the old town from its two roof terraces. The centrally located multi-storey car parks at the train station and in the old town are the ideal starting points to discover all these highlights, as their extensive security concept provides 1.500 easily accessible and secure car parking spaces around the clock.

Independent Owners, a Strong Association and a Common Technology

The Tiefgarage Bahnhofplatz AG (TAG) operates four multi-storey car parks at three locations in Lucerne: P1 and P2, directly at the train station and P3 Frohburg (owned by SBB Immobilien), a multi-storey car park owned by the federal Swiss railway and the Altstadt car park in the old town, three kilometres away. The various owners of the individual car parks demand both lean structures and clearly defined relationships for their investment assets, while on the other hand they are aware of the benefits of joint management and a modern parking association. Because of this, security in Lucerne takes the form of a technological network which has grown gradually and although it includes existing structures, it is always state-of-the-art.

Yesterday There Were Cross-rails; Today There is Remote Access Via iPad

When management was taken over by TAG ten years ago, video surveillance was already in place in the areas of the pay desks and the barriers. However, only a small area of the multi-storey car parks was monitored by analog cameras, which were not networked and whose images were only partially archived digitally on tape. Over the course of time, the operators' demands grew. Poor quality images and unmonitored areas created a demand for more modern technol-

ogy. There were convincing arguments for an extended surveillance solution. On the one hand, the video system was to assist the operating staff and on the other hand was to have a preventative effect against vandalism. The resulting cost savings had to justify the use of the surveillance system.

Consultation with specialists from Comtronic Communications AG and John Lay Electronics AG convinced the management to upgrade the car parks with an intelligent video surveillance system. User-friendly operation of the system was a priority, and in addition the video data was to be simple to analyse and events were to be easily found. Furthermore, in order to provide evidence of incidents, the video system had to be equipped with an export function. A further requirement of the client was to enable control and monitoring of all car parks on-site as well as from a common central control point. Easy remote access to the system via Internet was a further requirement.

Open Video-Over-IP Solution Beats Analog Technology

The car park management obtained bids for the project from several companies. Jörg Kaufmann, manager and proprietor of Comtronic Communications AG produced concepts for various solutions: analog systems, as well as a Video-Over-IP version on the basis of Panasonic and Milestone



products. In spite of the somewhat higher purchase costs, it was decided to employ a future-orientated IP solution, due to the better quality images. The decisive factor for the selection of Comtronic and John Lay Electronics as partners was their great experience in the field of car park surveillance, their great flexibility and the comprehensive service package.

The existing know-how gives Comtronic and John Lay the necessary flexibility to cater for individual customer requirements – even in the implementation phase. Direct communication and short decision-making paths also favoured uncomplicated cooperation in the work. Because of this, it was possible to directly cater for the requirements of the main users during the implementation phase.

In the Car Park Control Centre: Milestone XProtect Professional

In the two multi-storey car parks P1 and P2 at the station, Comtronic installed twenty new Panasonic WV-NP502 IP cameras in addition to the analog cameras which were already installed. The analog cameras are integrated into the newly wired network via a WJ-GXE500 encoder, as is a WLAN camera, which provides information about any traffic queues from the station forecourt. The high quality Panasonic IP cameras provide clear video images even under very difficult lighting conditions. They require very little light and work reliably even in severe backlight conditions.

Security at the station car park P3 (Frohburg) is ensured by newly-installed vandal-proof IP fixed dome cameras (WV NW502) from Panasonic, which are linked via a glass fibre network to a locally installed server, which in turn communicates with the control centre via a VDSL link. The signals from the analog cameras in the old town car park are integrated via an encoder and a video server and are both saved on a local HP Dual Core server as well as being linked to the control centre.

The heart of the security system is the IP-based video surveillance in the security centre,



which is controlled by Milestone XProtect Professional. Milestone XProtect is installed both on the servers in the control centre as well as the linked servers and enables simple management and analysis of the data at a particular location.

Milestone XProtect impressed with display of high image quality and user-friendly operation, which enables users with little training in security systems to intuitively take the right steps, as well as with its reliability and open system. The ability to simply and centrally link three locations and the protection of investment due to widest choice of compatible components were important arguments for Milestone.

Administration with XProtect Corporate – a more comprehensive Milestone solution for distributed control – was also an option in the planning phase. The decision for XProtect Professional was made for the fact that in the future, completely independent operation of the car parks by the various users was preferred.

Thoroughly Positive Experiences

Now, no-one at TAG would like to do without the modern video surveillance system. The TAG management is very satisfied. „Operation is very simple and the system is extremely stable and runs without problems. The preventative effect of the video surveillance is a complete success. Last year, we observed considerably fewer vandalism

incidents in the buildings and the pay desks. In case of disputes, such as deliberate avoidance of parking charges or accidental damage, the quality of the images convinces all concerned, so that police involvement is hardly ever necessary. We also appreciate the convenient remote access to the system via Internet and our mobile end devices such as iPads and iPhones.

With its network-based video surveillance system from Panasonic and Milestone, TAG has a sound, modern solution in the heart of Lucerne, which guarantees long-term security and which can easily be extended if necessary.

► CONTACT



Milestone Systems,
Brøndby, Denmark
Tel.: +45 88 300 300 · Fax: +45 88 300 301
sales@milestonesys.com · www.milestonesys.com

John Lay Electronics AG,
Littau, Switzerland
Tel.: +41 41 259 96 46 · Fax: +41 41 259 96 56
sec.info@johnlay.ch · www.johnlay.ch

Comtronic Communications AG,
Stansstad, Switzerland
Tel.: +41 41 619 80 80 · Fax: +41 41 619 80 81
info@comtronic.ch · www.comtronic.ch

secu smart



Dr. Hans-Christoph Quelle,
Founder and Managing
Director of Secusmart

INTERVIEW

Smart Defense

Protection against Eavesdropping of Cellphones

The adversary – such as a secret service, for example – always likes to listen in. Anyone who makes mobile phone calls must take that into account. Both private companies and government agencies are well advised to ensure that company-internal matters are not at the wrong place at the wrong time. The Duesseldorf company Secusmart knows how top managers, politicians and other people carrying sensitive information can be protected against the ever-present threat of interception of mobile and ordinary phones. Their solution, 'Secuvoice' is approved for the 'VS-NfD' and 'Nato Restricted' security levels. Matthias Erler of GIT SECURITY spoke with Dr. Hans-Christoph Quelle, founder and Managing Director of Secusmart.

GIT SECURITY: Dr. Quelle, the smart phone is everyone's closest companion these days, and as a carrier of secrets it is an interesting device interesting for spies. Who is actually listening to whom?

Dr. Hans-Christoph Quelle: For the one part there are classic attack scenarios that everybody knows – these include legal interception by the law enforcement agencies or the intelligence services of various foreign countries. These latter are frequently ignored by industry, by the way. Additionally there is also the – nowadays affordable – technology that allows private individuals to listen to each other.

But how big is the danger really? Can it be quantified?

Dr. Hans-Christoph Quelle: Generally there is no clearly identifiable enemy these days, insofar

as there are no access restrictions to the various bugging methods anymore. The danger scenarios have in a way become more abstract, but the danger itself more concrete. There are studies, for example from Ernst & Young, that demonstrate this. Interestingly, two-thirds of companies questioned today don't feel safe anymore with regard to eavesdropping. Awareness of the problem itself has therefore risen but also of the fact that you can do something about it, in particular because the financial and technical hurdles are no longer so high. The comprehensively organized work of the secret services is still based on collecting and evaluating the entire information flow of the respective company. Protection against eavesdropping becomes a million times better just by using encryption technologies alone.

There are however various different attack scenarios – via the radio link, in the transmission network and by using a false call number. Let's start with the radio link.

Dr. Hans-Christoph Quelle: If someone is using a mobile phone, someone else can stand in front of the house with the appropriate equipment and record the entire radio link communication between the base station, that is, the radio mast of the provider or roaming provider, and the mobile telephone. Modified phones are available to do this. The result can be decoded and evaluated. But the technology is also now available to enable live monitoring of conversations. The encryption between the phone and the base station is no longer secure, and is easily cracked with simple open-source codes: the keys that are used have all been pre-calculated so that a fast computer can try out all the keys in the shortest time. These days, anyone can obtain this equipment, not just the secret services and law enforcement agencies.

Then there are the wired transmission network and the deception scenarios?

Dr. Hans-Christoph Quelle: The wired telephone network is totally unencrypted so monitoring at the interfaces can be carried out without a problem. A very different type of spying however, that should perhaps instead be called 'Social Engineering', is call number deception – this is acting under a false identity. It is possible with almost every telephone system in which the number to be transmitted can be set. That also applies to VOIP telephony: you can enter any number when logging in. There are even providers that allow you to freely choose a number call-by-call. In this situation I am called and expect someone else on the other end. In large firms, for example, where you wouldn't necessarily recognize somebody by their voice, a call can supposedly come internally from Accounting and ask for the quarterly results and other con-

fidential matters, although it is actually bogus. Known voices can be imitated, and not only by professionals like Jay Pharoah, Rory Bremner or Ronni Ancona – the secretary trusts the voice, and makes the connection. From this we can deduce that security must consist of two things: firstly, the encryption of the content so that nobody else can monitor the information; secondly, you have to be sure of who you're speaking to.

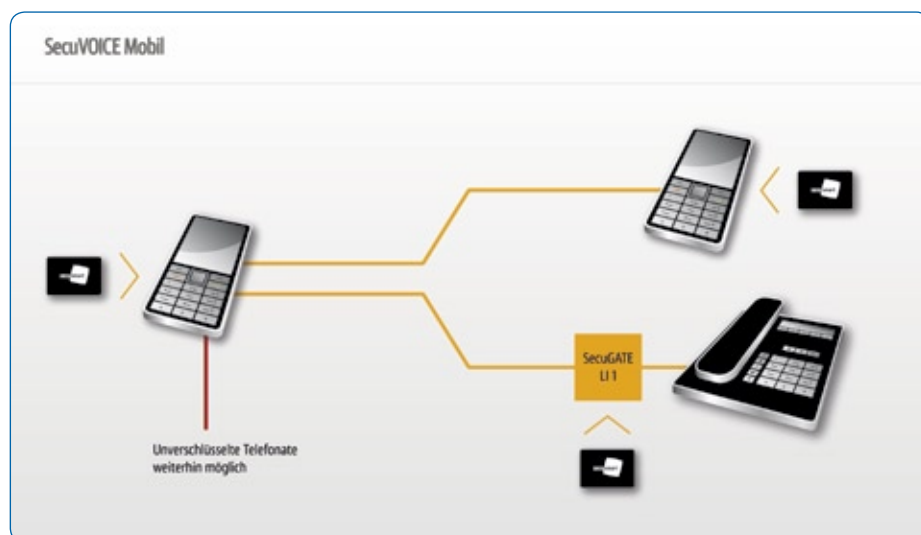
You're now providing a solution for the widely-used smart phone telephony. What is this solution based on?

Dr. Hans-Christoph Quelle: Our solution uses the opportunities that end-to-end encryption offers and the end-to-end authorization of the two parties. Then each end of the conversation has the security in his hand. There is a continuous communication route in between for telephony, for SMS and e-mail. We therefore secure the

tificates so that they can ensure the authenticity of their counterpart. This functions like a trust center with the help of a Public Key Infrastructure (PKI). A trustworthy body functions at the certification authority. The government agencies work with such an organization and we at Secusmart offer to be the issuer of the certificate for private customers – the customer can also do it themselves, but this is quite complicated and is therefore hardly ever done.

In what form is this implemented for the customer?

Dr. Hans-Christoph Quelle: The functions mentioned above are carried out by a smart card chip. This provides a mobile security anchor that cannot be hacked. It works on the principle of asymmetric encryption with a private and a public key pair. We have implanted the chip in a micro-SD card that can be inserted into conven-



Secuvoice Mobil

communication with two separate measures: with certificate based authentication and end-to-end encryption. Only these guarantee really secure communication. If the conversation between two cellphones is encrypted at one end and decrypted at the other, the 'man in the middle' has no chance. And the reassurance that I'm speaking to the right person comes from certificate based authentication.

How does certificate based authentication work?

Dr. Hans-Christoph Quelle: The principle is known from e-mail that can be digitally signed. In the background is a complex cryptographic system with which the recipient can ensure that the mail actually comes from you. Such processes rely on certificates and the same can now also be done with other forms of communications such as SMS. When the connection is established, both participants exchange their cer-

tional smart phones. The smart card chip looks after the complete authentication and encryption processes – viruses and trojans don't have a chance. Only the chip knows the private key. We currently offer this system for Nokia mobiles, such as those used by the government agencies, and Blackberry and Android devices will be added soon.

Dr. Quelle, many thanks for the conversation.

▶ CONTACT

Secusmart GmbH, Düsseldorf, Germany
Tel.: +49 211 542159 15
swenja.kremer@secusmart.com
www.secusmart.com

CCTV

Superb Servers and Modern Memory

Efficient and Energy-Saving Server & Storage Solutions

Pivot3 started out in 2003 with the intention of radically simplifying servers, memory and networks and making them more affordable. It was the first manufacturer to bring a complete Pivot3 V-Stac storage & server solution especially for digital video surveillance and rich media onto the market. GIT SECURITY spoke with Dieter Kondek, Vice President and General Manager International at Pivot3, about his company and about modern memory technology.

Mr. Kondek, Pivot3 is a very young company – it was only founded in 2003. What can you do that others can't?

Dieter Kondek: Although Pivot3 was founded in 2003, the first products were delivered in 2008 after almost five years of development of the Pivot3 V-Stac OS software. Pivot3 is the first manufacturer to have brought a complete virtualized storage & computing solution specially for digital video surveillance and rich media onto the market. Pivot3 has become market leader for iSCSI storage solutions in video surveillance in less than three years.

What are your main products?

Dieter Kondek: Pivot3 currently offers three different V-Stac product families: V-Bank, Cloudbank and Databank. Pivot3 Databank is a pure storage product that can be used for SAN, NAS or DAS. Cloudbank was developed for the IP video surveillance market and is used as an iSCSI SAN with integrated server. V-Bank can be utilized as a hybrid server/storage system for IP video and IT applications and is delivered with the VM-Ware virtualization software and can run multiple applications in parallel on one device. An example of this would be a VMS application, a video analysis software, an access control application, a Microsoft Exchange application and a backup program.



**Dieter Kondek,
Vice President and
General Manager
International at Pivot3**

Could you give us a typical application example?

Dieter Kondek: Together with its partner VCS Observation in Holland, Pivot3 won the project for the video surveillance of all railway stations in Holland. This project has a volume of over

6,000 cameras in the final stage and around six Petabytes (thousand Terabytes) of storage for the recordings. The customer has saved c. 20-50% of his energy costs through the Pivot3 solution. And because the video management software (Genetec Omnicast) runs directly on the Pivot3 Cloudbank appliances, the purchase and

running costs of more than 60 external application servers could be saved, which represents a significant portion of the entire project budget. In addition, the customer got a completely redundant system with automatic VMS failover, and that for a lower cost than if he had used traditional servers with storage or maybe NVRs. Another example is the substitution of a traditional DVR/NVR system for around 200 cameras in one of the Swiss prisons. The video recording was interrupted twice a week because the system was not redundant and also there was no automatic failover function. Using the Cloudbank solution, on which the Milestone X-Protect VMS runs today, the customer has a completely redundant system including automatic failover for X-Protect – for a low investment and with low running costs.

You have just introduced the new „1U and 2U CloudBank stand-alone Appliances“?

Dieter Kondek: These products are physically the same as our Cloudbank products and can be used as so-called stand-alone products for smaller projects of 10 to 50 cameras, although they can be later connected to our standard products in an array. These systems are therefore scalable and above three systems they are fitted with automatic failover. These products are delivered complete with the software (V-Stack OS,

V-Stack Director, Windows Server and VM). The price for these systems, with all the advantages of the Pivot3 vSTAC appliances, is comparable to traditional DVRs and NVRs of other manufacturers that are not redundant and scalable.

How will the subject of memory develop in your opinion? What qualitative changes will there be, and over what time frame do you think?

Dieter Kondek: SSD memory will increasingly be used, as already in our V-Bank product as cache memory, although it is still much too expensive for general use as data memory. We will see the first standard SATA disk products with 3TB by the end of this year. The subjects of cloud storage and video hosting will continue to be hotly discussed over the coming months and years. Pivot3 has already won many companies as video hosting customers and the need for efficient and energy-saving server & storage solutions is rapidly increasing.

You work together with a network of partners. What sort of companies are these?

Dieter Kondek: Pivot3 currently has ten employees in EMEA and two training and spares centers in England and Dubai. We have built up an ECO system with a network of large and medi-

um-sized system integrators and we also work together with some distributors, such as Santec Video and Controlware. Our aim is, together with our Open Platform Technology partners in the business of VMS, cameras, wireless, video analysis and PSIM, to offer a complete ECO system for modern IP video surveillance, whereby Pivot3 contributes the storage & compute V-Stack platform. We have currently certified more than 30 different VMS systems on our V-Stack storage & compute platform in our Pivot3 Applab.

Are you planning to expand this network?

Dieter Kondek: Yes, we are always looking for additional partners who want to realize state-of-the-art IP video projects together with us and who are embarrassed to offer old-fashioned video solutions based on proprietary systems.

Mr. Kondek, many thanks for the conversation.

► CONTACT

Dieter Kondek
Pivot3, Spring, USA
Tel.: +1 281 516 6000
dieterk@pivot3.com · www.pivot3.com

See it all.
All the time.



With our unified security platform

Imagine a world where one advanced platform, packed with powerful features, seamlessly manages all your security and safety systems. We did. Now thousands of customers are reaping the benefits of our unified security platform worldwide.

See what you need at genetec.com
License Plate Recognition | Video Surveillance | Access Control

Innovative Solutions



When buying a new IP camera, the first question usually asked is, "How many pixels are in the imaging sensor?" But the quality of the images produced by a camera does not solely depend upon the number of pixels.



Sample images with high noise (right) and low noise (left). Under low light conditions, images from sensors with small pixels may exhibit more noise than those with large pixels.

CCTV

On the Spot

Establishing How Many Pixels You Really Need

What criteria should you use to decide how many pixels you really need for your application and which camera to buy? Do you want a general overview of a scene, do you want to read license plates, or would you even like to be able to recognize the suits or the faces of playing cards – all from normal inspection distances? The answers to these questions determine whether you will be satisfied with VGA, megapixel, or even multi-megapixel resolution. In the IP market, we are moving to smaller pixel sizes because a continuously growing number of pixels are being placed within a fixed sensor area. On the one hand, this trend has cost advantages. On the other hand, smaller pixels have consequences.

Good Lenses for Smaller Pixels

So how large must a pixel be to best match the resolution of the lens that projects the object onto the sensor's plane? Let's start with a very tiny spot on the object. Very good lenses transform a spot on the object to a size of 5 microns on the image plane. Cheap lenses, in contrast, might blur the spot to 15 or 20 microns. The size of the camera's pixels should not be smaller than the minimum spot size of your lens. The moral is that if you want to get the full potential from a camera with small pixels, don't use cheap optics.

With small pixels, there are special requirements for the optics. There are also tolerances that must be met with respect to mechanical alignment, such as for the lens mount, and for the precision with which the sensor must be positioned and aligned within the camera. The smaller the pixels, the tougher the targets with respect to the sensor alignment relative to the

lens mount and, of course, to adjustment of the focus.

Small Pixel Area – Reduced Sensitivity

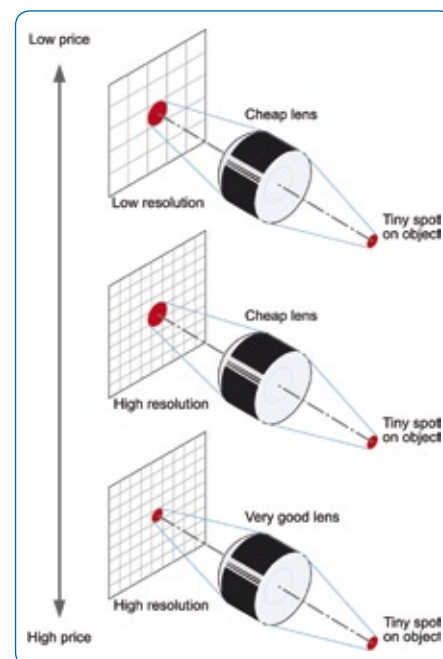
Without light, you can't collect any image information. For a given scene imaged on a sensor of a given size, the number of photons arriving at each pixel is proportional to the pixel's area. This means that to achieve the same signal-to-noise ratio, a 5 megapixel sensor requires four times as many photons as a 1.3 megapixel sensor. In general, you need good illumination to be able to work well with small pixels.

In IP applications, compressed data formats are standard. But even with compression, high resolution sensors generate large amounts of data. The user must decide whether a higher resolution is really important, especially when it comes to the layout of the network and the storage hardware capacity. Having a higher resolution might lower the maximum frame rate as well.

Before you select a camera for your application, ask yourself how many pixels you really need and what your frame rate must be. And make sure that you do not try to recover the extra money you spent on a high resolution camera by selecting a poor quality lens.

The camera's sensor must provide high sensitivity under difficult lighting conditions. Sensors with big pixels are, in most cases, the right choice for use in low light conditions. In addition, a lens with a large maximum aperture can help to collect as much light as possible.

Gather your requirements and ask a trusted camera provider to determine how many pixels you really need.



A cheap lens can generate sharp images on a low resolution sensor (upper image). With the same lens, a high resolution sensor will yield blurred images (middle image). A high resolution sensor's full potential can only be reached by using a very good lens (lower image).

► CONTACT

Basler AG, Ahrensburg, Germany
Tel.: +49 4102 463 500 · Fax: +49 4102 463 599
bc.sales.europe@baslerweb.com
www.basler-ipcam.com

choose IP



Choose Honeywell IP solutions for efficiency and an easy way to migrate systems from analogue

From industry-leading video management systems and recording solutions to H.264 high definition IP cameras, our portfolio of IP security systems provides a layer of coverage that helps customers transition to IP with confidence and ease. And the Honeywell Open Technology Alliance forges strategic relationships with vendors such as Milestone and Mirasys to give you ultimate flexibility when designing IP security systems - so you can capitalise on the Honeywell open IP architecture and use third-party equipment you may already have in place to minimise costs. ***IP security from Honeywell, good choice.***

Honeywell

To learn more about our latest IP solutions call +44 (0) 8448 000 235 or for a FREE copy of our 'IP Security Selection Guide' visit www.honeywellipsolutions.com

© 2011 Honeywell International Inc. All rights reserved

AIRPORT SECURITY

What a Carry On!

Detecting Plastic and other Explosives at Molecular Level

Unfortunately, some explosives are easier to detect than others and sniffing out the highly explosive PETN has, until now, been a time-consuming and expensive process. To reliably detect just a few small molecules of this material requires cutting-edge trace detector technology based on nanotubes. Working on his doctorate under Professor Wolfgang Ensinger, Head of the Materials Analytics Working Group at the Technical University in Darmstadt in Germany, Mario Boehme has developed an extremely sensitive sensor to do just that.



Fido sniffer and control unit (Photo: Flir Systems Inc.)

We can understand just why PETN has been so difficult to detect until now when we compare it with various everyday materials. We can smell a freshly mown lawn from quite some way away, and the baker's shop already invites us to stop by from some way down the street. Both the grass and the bread are giving off millions of molecules that our noses can easily detect. However, try to smell a porcelain cup or an aluminum door handle and, no matter how close you get, there's nothing much to smell. These materials don't give off molecules freely and therefore we can't smell them. The same goes for PETN – it is inherently 'unsmelly' and therefore extremely difficult for electronic devices to detect. Further, just a few tiny grams of it are enough to cause a significant explosion.

Of all the various methods of explosives detection – mass spectrometry, chemiluminescence, x-ray diffraction, microcantilevers and electrochemical methods - the advent of nanotechnology over the past few years has brought the most impetus into the development of handheld trace detection devices. It is clearly the way to go and promises astounding performance at sensitivity levels that, until recently, were only seen in science fiction films. In fact, the scale of measurement has taken on a new dimension; devices were previously rated at finding parts per million or billion (10^9), but now sensors are becoming effective – and reliable – in the area of parts per trillion (10^{12}) or quadrillion (10^{15}).

Who Nose Best

Whereas finding concealed explosives was once only commonplace at airports and embassies, it has now become an ever-higher priority at a number of other locations and situations; at vehicle entrances and major sporting events for example, at concerts and in popular clubs, at courts or correctional institutions or on public transport systems to name just a few. The usual technique is to sample the air around vehicles, luggage or people, passing it over sensors that react to various specific triggers, although testing for PETN has until recently involved a time-consuming analysis of smears with a spectrometer.

An 'electronic nose' is equipped with either a sensor specifically tuned to one type of explosive, or with many sensors that together provide a 'fingerprint' of the substance. The sensors themselves use various methods to sound the alarm. There are biological sensors that rely on a chemical reaction and optical sensors that notice a change in the absorbance of specific wavelengths of light. There are also mechanical sensors – called cantilevers – that have one fixed end and bend when molecules of the target substance react with a chemical layer on one side. And now the nanosensors either change their natural fluorescence or their electrical conductivity in the presence of specific substances. The Massachusetts Institute of Technology in Cambridge, USA, did some pioneering work on improving the sensitivity of sensors using blue lasers some years ago and its continuing work

has recently discovered a useful detection effect of bee venom applied to nanotubes.

Made to Measure

The production of nanotube-based sensors is now refined to a degree where they can be doped with various substances to provide both reliable and, importantly, very specific detection properties. The resultant sensors are cheap to produce commercially and are spawning a new generation of products that can be widely used to counter the terrorist threat. There is enormous potential in this technology that will also result in other new products appearing outside the security industry, and the development of nanosensors is already moving fast.

The challenge now, however, is to integrate these sensors into market-ready products that will alert to the presence of one or more of the more than one hundred different types of military and civilian explosives. There are a number of aspects to consider; for example, many different types of molecules go by as the sampled air is passed across the sensor. This can cause cross-contamination that obviously has to be removed before the sensor can work effectively again. Further, the humidity of the air currently has a significant effect on performance and must be controlled. Another potential issue is when molecules from another substance but nevertheless very similar to those being sought are detected. Certain synthetic products from the perfume industry can cause false positives.

Tangible Benefits

In just a very few years this exciting new generation of sensors has started to come into general use, and security managers around the world can already start to consider how a far more sensitive device will affect their security procedures. The new products will most likely not initially be suitable for detecting explosives at a distance but will certainly be much more effective for close range trace scanning of suspect clothing and baggage than the early generation of handheld products. This may come as unwelcome news to our lovable four-legged friends who currently carry out excellent work using their wet noses and are still by far the most effective detector to date. Current development efforts are aimed at incorporating these sensors into explosives trace portals to provide high throughput combined with extreme sensitivity, an order of magnitude better than the current ion mobility spectrometry systems. Devices that combine and evaluate a number of different sensing methods will provide the best overall detection results.

The protagonists in the handheld explosives detector market include some of those who also manufacture x-ray and millimeter-based scanning portal products – see our article entitled 'Hands Up!' on Airport Security in issues 1 and 2 of GIT SECURITY earlier this year. The complete set of detection equipment for narcotics, weapons, dangerous chemicals and explosives must currently include rapid-pass people scanning portals and smaller portable scanners for more detailed inspection, possibly with a fine analysis device available in the background to produce documentary evidence. With the forthcoming lifting of restrictions on carry-on liquids on aircraft, the race is on amongst manufacturers to have highly effective hazardous liquid detectors market-ready in time.

Market Overview

When making your choice of supplier however, care must be exercised as there are a number of apparently useless handheld devices on the market, some the subject of international fraud investigations, that immorally put the lives of the armed forces, the police and civilians at risk by claiming astounding performance through concrete walls or by simply walking down a street, even finding landmines and weapons by using 'passive' methods. The underlying 'technology' is very questionable and has been proven totally unreliable in some controlled tests. Clones and copycat products have appeared under different names in other countries but all depend upon the antenna physically moving like a divining rod when explosives are nearby. We hasten to add that the companies listed below are in no way associated with such products and all employ scientifically proven methods of detection!

Flir, for example, market the handheld Fido XT manufactured by ICx Technologies which uses fluorescent polymer reaction to detect explosive molecules. The system consists of a sensor head and a separate electronics unit, enabling the head to be remotely operated, for example on board a robotic vehicle. An adaption is also available for use underwater. The EVD series of handheld detectors is manufactured by Scintrex Trace in Canada. Their electrochemical process takes between 15 and 40 seconds to provide an analysis of the sampled air.

Smiths Detection offer the Multi-Mode Threat Detector (MMTD) that also detects narcotics, toxic chemicals and chemical warfare agents in one system. It uses ion mobility spectrometry to analyze particulates and vapor. The Mobiletrace handhelds are available from Safran Morpho and feature very simple operation and a color LCD touchscreen with eight standard languages on board. Its dual-mode function enables the simultaneous detection of narcotics and explo-

sives. As the product name suggest, the Exponix from RS Dynamics is a fast response portable explosives and analytics system. It has a high resistance to overload and cross-contamination with a wide range of detected compounds.

References

Mario Böhme

Technical University Darmstadt

Tel.: +49 6151 16 6387 · www.tu-darmstadt.de

Michael Stenbek Schmidt

TU Denmark

www.dtu.dk

CONTACT

CyTerra Corp., Orlando, USA

Tel.: +1 407 926 1900 · www.cytterracorp.com

DetectaChem, Houston, USA

Tel.: +1 713 821 3230 · www.detectachem.com

GE Sensor Technology, Munich, Germany

Tel.: +49 89 5528 3000 · www.ge.com/research/munich

ICx Technologies Inc. (Flir), Stillwater, OK, USA

Tel.: +1 405 372 9535 · www.icxt.com

Implant Sciences Corp., Wilmington, USA

Tel.: +1 978 752 1700 · www.implantsciences.com

Morpho Detection (incl. Syagen), Hamburg, Germany

Tel.: +49 40 8231 5555 · www.morpho.com/detection

RS Dynamics Ltd., Prague, Czech Republic

Tel.: +42 0267 908300 · www.rsdynamics.com

Scintrex Trace Corp., Ontario, Canada

Tel.: +1 613 224 1061 · www.scintrextrace.com

Sibel Ltd., Novosibirsk, Russia

Tel.: +7 383 316 5742 · www.sibel.info

Smiths Detection, Wiesbaden, Germany

Tel.: +49 611 94120 · www.smithsdetection.com

VISUAL DISPLAY SOLUTIONS FOR COMMAND & CONTROL – MADE IN GERMANY

Your competent partner for complete large screen solutions

-) **LED-lit DLP® Rear Projection Cubes:** Many different sizes and resolutions
-) **Super Narrow Bezel LC Displays:** Especially designed for modular video walls.
-) **Professional LCD Monitors:** Designed for professional use in sophisticated applications. Resolutions in full HD and higher.
-) **Graphics Controllers:** Display of any data signals. Hardware decoding for IP video streams with special input boards.
-) **Wall Management Software:** Perfect wall control with the eyecon software. Flexible solution, simple and efficient alarm management.

) **eyevis GmbH**, Hundsschleestrasse 23, 72766 Reutlingen/Germany
Tel.: +49 (0) 7121 43303-0, Fax: +49 (0) 7121 43303-22, www.eyevis.com, info@eyevis.de



eyevis
PERFECT VISUAL SOLUTIONS

In Focus: Arecont Vision AV2805 DN

The Arecont Vision AV2805DN series network camera is a true day/night camera and part of Arecont Vision's full line of H.264 megapixel cameras. This fully compliant implementation of H.264 (MPEG-4, Part 10) is capable of sustaining over 80 billion operations per second and maintaining full motion progressive scan 1920 x 1080 (2 Megapixel) video at 30fps and simultaneous region of interest streams. This allows the Arecont Vision AV2805DN to perform at 6 times the resolution of a traditional VGA camera. Part of the MegaVideo line of cameras, it offers bandwidth and storage efficiency of ten times greater on average over traditional megapixel counterparts.



CAMERA TEST

Performance

Performance when used at 1,000 Lux

With good illumination the camera delivers a clear image with good contrast. In general, color reproduction is good, however the colors are somewhat pale (especially yellow tones). Objects in the image are sharply depicted and details (fine lines) in the background test image are also clearly recognisable. Motion blur and image noise are scarcely apparent.

Performance when used under 1,000 Lux

Overall, the camera produces good images, even under poor lighting conditions. Down to 10 Lux it provides good colour images of almost constant quality. At 10 Lux the camera switches to night mode – in comparison with other manufacturers the switch is made relatively early, however the monochrome image is clear and shows good contrast. With further reduction of illumination, image noise increases continuously, however this only becomes pronounced, in combination with blurring of moving objects, at extremely low levels of illumination (0.5 Lux).

Performance when used in backlight situations

On the sudden occurrence of a backlight source against a dark background the camera requires approximately 2.5 seconds before it produces a stable image. The image stream is initially shown in night mode. Here, the backlight source produces considerable glare, and background details are apparent. However, the camera switches to color mode after a short time, which results in a very low contrast image, especially in the background. With stronger ambient lighting the background is shown with considerably greater contrast.

Performance in use: bandwidth measurement

With reducing illumination, the required bandwidth increases from 5.13 MBit/sec at 1,000Lux to an extreme value of about 25 MBit/sec at 5 Lux, before it once again reduces in the weak illumination range (here the image rate also reduces to 16 images/Second). Due to the compensation characteristics of the camera the bandwidth curve is somewhat stepped.

Summary

The network camera features Full HD resolution, good image quality, and thanks to early switchover from day to night mode it provides good images in the weak illumination range. It is equipped with a range of additional functions such as motion detection, multi-streaming, definition of private zones and cropping. The power supply is via PoE or auxiliary power, 12-48VDC and 24VAC.

Technical data for the camera test

Manufacturer	Arecont Vision
Model	AV 2805 DN
Firmware version	65192
Distance to test chart	0.70 m
Lens used	Tamron 4 – 12mm 1:1,4 ½ CCTV MP
*Focal length set	6 mm
*Compression method	H.264
*Resolution	1,920 x 1,080
*Compression	50%
Max. stream bandwidth	unlimited
Measured frame rate	16–29 fps
Average bandwidth	11.1 Mbit/s

*The camera was integrated into the test system with the "default" settings. The settings were modified according to the test criteria listed above.

Assesment with differing illumination conditions

Criteria Lux values	1000 Lux	100 Lux	10 Lux	0,5 Lux	0 Lux + *BL1
Colours	2.5	2.5	2.5 b/w	–	–
Contrast	2	2	2	2.5	3.5
Focus	2.5	2.5	2.5	3	3
Motion sharpness	2	2	2	3	2.5
Image noise	2	2	2.5	3	2
Recovery from backlight	–	–	–	–	3
Performance against backlight	–	–	–	–	3

Assessment was performed according to the rating system of 1 (very good) to 6 (unsatisfactory). By setting various parameters on the camera interface itself, it is possible to obtain an improved image quality.

Test the Best!

Together with Seetec, GIT SECURITY has tested both current and new video cameras in the test lab of the Hardware Competence Centers of Seetec under controlled conditions. The Hardware Competence Center was formed because manufacturer's own data and the features of network cameras were often established under different conditions and were not reliable facts when put into practice. These results provide a valid basis for the planning of IP video projectors and help to prevent unpleasant surprises. Video sequences are created for the tests under various defined light situations and then evaluated. Both movement in the picture and night or backlight situations are taken into account.

Performance

Performance when used at 1,000 Lux

Overall, the camera delivers a clear image with good brightness and contrast. The colors appear somewhat pale and to some extent, especially with blue tones, a slight red or yellow tinge is apparent, depending on the brightness. The image sharpness is good. Both the lines of the test chart and the hairs of the test figure are sharply depicted. With good illumination, no significant movement blur can be detected and image noise is also minimal.

Performance when used under 1,000 Lux

The camera reacts very quickly to changes in lighting conditions. With reducing illumination, the camera image becomes darker overall (mainly below 250 Lux), and the camera cannot fully compensate for poorer illumination. In the test image, all brightness gradations can no longer be seen correctly, however overall the contrast does not change significantly. With reducing illumination the colors appear paler and darker. The camera only automatically switches to night mode at 0.5 Lux, so that at 20 Lux or less, a perceivable and later definite noise is apparent in the image. In this region, the image sharpness also reduces.

Performance when used in backlight situations

In spite of a brief image failure on the occurrence of backlight with dark surroundings (the camera produces a white image with a flashing black stripe) for about 1/2 second, after 1.5 seconds the camera delivers the first image, which becomes stable after a further 1.5 seconds. Above all with low ambient illumination the backlight source produces glare, however outside of the glare cone background details are clearly recognisable.

Performance in use: bandwidth measurement

The camera requires a highly constant bandwidth with an average of 8.7 MBit/s with Full HD resolution and 29 images/second. Fluctuations are apparent, especially with backlight. Here the compensation processes affect the bandwidth.

Summary

This day/night fixed camera is an all-round device, which is characterised by its high resolution (3 megapixel). It is equipped with a slot for SD cards and is supplied with power via PoE. In addition it also supports 2-way audio transfer and simple onboard video analysis algorithms

In Focus: Samsung SNB-7000

The SNB-7000 is a true day/night ONVIF compliant 3 Megapixel box camera that incorporates Samsung's WiseNet2 DSP chipset. This camera is capable of displaying multiple resolutions from CIF (320 x 240) through to 16:9 format 1080p full HD and up to 3 megapixel (2,048 x 1,536). The SNB-7000 Series cameras feature Smart Compression where a predefined Region of Interest or faces (face detection) are compressed differently than the rest of the image making them clearer while maximizing bandwidth and storage efficiency.



CAMERA TEST

Technical data for the camera test

Manufacturer	Samsung
Model	SNB-7000
Firmware version	1.00
Distance to test chart	0,8 m
Lens used	Tamron 3 – 8 mm 1:1,0 1/3 CCTV MP
* Focal length set	6 mm
* Compression method	H.264
* Resolution	1,920x1,080
* Compression	50%
Max. stream bandwidth	unlimited
Measured frame rate	29 fps
Average bandwidth	8.7 Mbit/s

*The camera was integrated into the test system with the "default" settings. The settings were modified according to the test criteria listed above.

Assesment with differing illumination conditions

Criteria Lux values	1000 Lux	100 Lux	10 Lux	0,5 Lux	0 Lux + *BL1
Colours	2.5	3	3	3.5	–
Contrast	2.5	2.5	2.5	2.5	–
Focus	2	2	2	3.5	2.5
Motion sharpness	2	2	2.5	3	2.5
Image noise	2	2	2	3	2
Recovery from backlight	–	–	–	–	3
Performance against backlight	–	–	–	–	2.5

Assessment was performed according to the rating system of 1 (very good) to 6 (unsatisfactory). By setting various parameters on the camera interface itself (SSNR, WDR, BLC on/off), it is possible to obtain an improved image quality.

CCTV

Yes, End to End IP

Three New H.264, High Definition, True Day/Night Cameras: High Picture Quality, Efficient Image Compression and a Cost Effective Way to Migrate to IP Security

Honeywell unveiled three new H.264, True Day/Night cameras; the HCD5MIHX box camera, the HD3MDIHX fixed mini dome for indoor use and the HD4MDIHX, a vandal resistant fixed mini dome. The cameras all use efficient compression technology to provide high picture quality at minimal bandwidth.

Network and storage limitations have long been a barrier to the adoption of high definition (HD) cameras. Each new model provides 720p image quality at lower bandwidth by using H.264 compression to reduce the size of the digital video file by more than 50 per cent compared with the standard M-JPEG format. In addition, unlike some other solutions on the market, the cameras provide 720p resolution at full frame rate in low light and very little 'noise' ensuring detail is optimised in images captured under these conditions without compromising on storage.

The True/Day Night cameras also significantly reduce the cost of conversion to HD IP video by offering H.264 compression at a very competitive price compared to MPEG-4 cameras. This



provides customers with a cost effective way of migrating straight to a HD IP system which offers superior detail and image quality compared to analogue or VGA IP.

Cost Efficiency Perspective

From a cost efficiency perspective, the better quality widescreen picture these cameras provide also means that fewer cameras are required in some installations, making it potentially cheaper for end users to upgrade from analogue to HD models rather than from analogue to VGA IP. The cameras can also be retrofitted on many

existing DVR/NVR installations without requiring additional storage.

Jeremy Kimber, Commercial Operational Marketing Leader EMEA comments: "With their high performance and low noise, these latest cameras are the ideal solution for customers who are seeking to optimise bandwidth and storage without compromising on picture quality."

All three models conform to the PSIA specification supporting interoperability between network video products regardless of manufacturer. PSIA compliant devices are able to exchange live video, audio, metadata and control information and are automatically discovered and connected to network applications such as video management systems.

Honeywell is uniquely positioned to provide security managers with an end to end IP system through its camera technology combined with products such as Fusion IV DVR/NVR and Maxpro VMS video management system to create a complete system for the end user.

▶ CONTACT

Catriona Malone

Honeywell Security Group, UK

Tel.: +44 1698 738375 · Fax: +44 1698 738300

catriona.malone@honeywell.com

www.honeywell.com/security/emea

Honeywell Provides QCIC Group Security Consultants with Associate Member Status

Honeywell announced that QCIC Group, a leading independent UK security consultancy, has achieved Associate Member status of the Honeywell Trained Specifier Certification (TSC) programme. The Associate Member certification recognises QCIC Group's substantial investment in training its staff on Honeywell Security products to ensure optimum support and services to customers. „Our achievement of Honeywell TSC Associate Member status is further evidence of our commitment to offer technologically advanced solutions that enable our clients to address their business risks," said Mark Rowan, Director, QCIC Group. „We continue to commit resources to move towards attaining Full Member status as soon as possible." The benefits of the Honeywell TSC Associate Member status include access to dedicated specification tools, sales and marketing support, free unlimited access to Honeywell application training at our Training Centres of Excellence and a library of Architect and Engineering documents in digital format. Members also receive exclusive invitations to Honeywell seminars, webinars and Technology Day events for market driven information on trends and technology in the security industry. A list of members is featured on the Honeywell Consultants website. „We commend QCIC Group's diligence in achieving this designation and welcome them to the ranks of our Associate Member Security Consultants," said Daniel Wan, UK Marketing Leader, Honeywell Security Group. „QCIC Group's Associate Member certification is evidence of their commitment to delivering high quality service and support that meet and exceed customers' expectations."

About PSIA

The Physical Security Interoperability Alliance (PSIA) is a global consortium of over 65 physical security manufacturers and systems integrators focused on promoting interoperability of IP-enabled security devices across all segments of the security industry. Participating companies include Arecont Vision, Assa Abloy, Cisco Systems, GE Security, Genetec, HikVision, Honeywell, IBM, IQinVision, Kastle, March Networks, Milestone Systems, Nice Systems, ObjectVideo, OnSSI, Pelco, SCSG, Stanley Security, Texas Instruments, Tyco International, Verint and Vidsys. Founded in February 2008 and officially incorporated in March 2009, PSIA's objective is to develop standards relevant to networked physical security technology. Under the direction of its Board of Directors, PSIA promotes and develops open standards relevant to networked physical security technology across all segments including video, access control, analytics and software. PSIA supports license-free standards and specifications, which are vetted in an open and collaborative manner to the industry as a whole. There are currently five active working groups: IP Video, Video Analytics, Recording and Content Management, Area Control and Systems. The organization reviewed and ratified its 1.0 IP Media Device specification in March 2008 and more than 1500 companies have registered for the specification since its initial release.



STENTOFON

GIVING SECURITY A VOICE

CRITICAL COMMUNICATIONS FOR ANY ENVIRONMENT

- SCHOOLS/CAMPUSES • INDUSTRIES • TUNNELS • ROADS • HOSPITALS • PRISONS • OFFICES • METRO SYSTEMS • RAILWAYS • ELEVATORS • URBAN SURVEILLANCE • BUILDING SECURITY • POLICE STATIONS • AIRPORTS

STENTOFON AlphaCom

**HD
VOICE**

**HIGH DEFINITION
VOICE TECHNOLOGY**



Audio Servers for Critical Communications

- Centralized Logging of System Events
- High Definition Voice Technology (Codec G.722)
- Built-In Firewall for Audio Servers and IP Stations
- Supports 802.1X for Authentication
- Integrates with CCTV, Access Control and Alarm Systems
- Fully Scalable from 2 to 140,000 Plus Stations
- SIP Server Built-In for Telephone Interface



Stations for Any Environment

- Wide Range of IP and Analog Intercom Stations

www.stentofon.com

NEW! STENTOFON PULSE

Based on STENTOFON's IP technology, STENTOFON Pulse is a new serverless SIP based communication system featuring all STENTOFON IP stations. Pulse is ideal for your smaller applications needs and suited to any environment.

www.stentofon.com/pulse

■ when **communication is critical**



SECURITY FOR RESIDENTIAL AREAS

Put On Your **Thermals**

Thermal Imaging Cameras for Home Security



All over the world, the perimeters of industrial parks, airports and harbors are being protected with the help of thermal imaging cameras from Flir Systems, but the security solution big companies choose to protect their assets can be used for home security as well. Extremely affordable, maintenance free and environmentally friendly, thermal imaging cameras can also be the ideal security solution for home protection.

A very good example of this is an estate near Newport Pagnell in Buckinghamshire, UK. The estate has been secured by Flir integrator Case Security. Andrew Herridge, Operations Director, explains why the owner of the estate opted for thermal imaging cameras. "These thermal imaging cameras need no light to function and are incredibly dependable." The company provides electronic security solutions for commercial mar-

kets and a limited number of high-end domestic customers. They deploy state-of-the-art technologies to control, deter and monitor their clients' premises, including thermal imaging cameras.

No Light Needed Whatsoever

Unlike other night vision systems, thermal imaging cameras detect the thermal radiation that is around us all the time, translating it into a visual image. This means that such thermal imaging cameras deliver 24/7 imaging capability, regardless of lighting conditions. And that's not all: thermal radiation penetrates atmospheric obscurants better and farther than visible light, allowing you to see what's out there through the haze, smoke, dust and even light fog.

"This estate has quite a lot of land", continues Mr. Herridge. "In this rural environment there are no streetlights, so to monitor the entire area with normal closed-circuit television (CCTV) cameras we would need to install lights ourselves. That would not only be a very costly operation, it would also attract attention to the property, disturb the local wildlife and it would be bad for the environment with all the electricity needed to power those lights. And you also have to consider the cost of maintenance as lights tend to break down every once in a while. With thermal imaging cameras you don't have these problems."

With its excellent range performance this SR-313 can detect intruders from a distance.



These two Flir SR-313 thermal imaging cameras have adjacent fields of view. Together they cover a large part of the surrounding fields.

User Friendly

The SR series thermal imaging cameras include the most advanced thermal imaging technology available on the market today, but in a user friendly package. The Flir SR-313 cameras incorporate an uncooled vanadium oxide microbolometer detector, producing crisp 320 x 240 pixel thermal images. Advanced internal camera software called Digital Detail Enhancement en-

hances these images further to ensure that even the smallest details can be seen.

Conventional CCTV cameras rely on color contrast to provide enough information for the viewer to detect a threat. Even at moderate ranges, weak contrast can render these cameras useless. Thermal cameras do not have this limitation. "The contrast on a thermal image is usually much better, due to the difference in temperature between a person and his surroundings", explains Mr. Herridge. "That means that, generally speaking, you can detect a person with a thermal imaging camera at a larger distance."

Long Range

Equipped with a 35mm lens, the SR-313 thermal imaging cameras can detect a human size target at 780 meters and a small vehicle at over 2 kilometers. Thanks to this excellent range, only a few cameras are needed to monitor the entire estate. "We've installed six cameras on the highest parts of the house that together cover all of the land belonging to the estate."

These six thermal imaging cameras and several other CCTV cameras are combined in a TCP/IP network. "The images from all of the sensors in the TCP/IP network, including the SR-313s, can be accessed from every television in the house."

Case Security installed the Flir Sensor Manager Pro software to manage the network. Whether protecting a large industrial park, an airport, a harbor or a residential building like the estate in Buckinghamshire, this software provides powerful and efficient management capabilities for any security installation that includes Flir cameras. It can also be used to control a wide variety of other sensors.



These six cameras cover the back of the estate.

Video Analytics

"This software ensures that any occurrences are immediately brought to the owner's attention", explains Mr. Herridge. "It includes a video analytics module with motion and target detection. The user can place virtual trip wires and other triggers. If the system detects that someone is entering the perimeter a silent alarm will go off and the images that caused the alarm will be shown on the screen, so the user can immediately see if it really is a trespasser or an 'unwanted' alarm. Further action, such as calling the police for example, can be taken immediately in the case of a real intrusion."

"All of the images are also constantly recorded for future use on a Flir network digital video recorder (nDVR), to present it to the police for instance", continues Mr. Herridge. "The video files are discarded after a week if nothing out of the ordinary occurs. If the owner manually overrides this or if an alarm is triggered, the files are preserved until the owner decides to discard them."

Monitoring the Alpacas' Behavior

According to Mr. Herridge in this particular installation, however, the owner also has another



The thermal images can be shown on any of the screens inside the house.

use for the thermal imaging cameras. "The owner keeps alpacas, small llama-like animals from South America that produce a fur similar to sheep's wool. These animals represent quite a large investment as they are not cheap to buy, so he uses the cameras to check whether his alpacas are behaving normally. He says he can quite easily see if one of them has escaped or if some of them are uneasy."

Installing the cameras was easy, according to Mr. Herridge. All SR series can be easily connected to the common power and video interfaces found in existing and new security system installations. They can be easily integrated into any existing CCTV infrastructure and the picture from the thermal imaging camera can be shown on virtually any display that accepts composite video.

Even more important is the low total cost of ownership (TCO), explains Mr. Herridge. "The Flir SR series cameras have uncooled detectors, so they do not need the maintenance that a thermal imaging camera with a cooled detector would require, and the absence of a motorized focus mechanism prevents mechanical breakdowns. They do not need any maintenance whatsoever, so the TCO of these thermal imaging cameras is extremely low."



The Flir Sensors Manager Pro software includes an advanced video analytics module. The user can place virtual trip wires and other triggers. A silent alarm will go off if someone crosses the trip wire.

▶ CONTACT

Flir Commercial Systems, Breda, Netherlands
Tel.: +31 765 794194 · Fax: +31 765 794199
flir@flir.com · www.flir.com

Web Applications Included

CEM Systems announced the release of AC2000 SE (Standard Edition) version 6.3 software. Features include AC2000 WEB applications and support for DSC Powerseries intruder panels and American Dynamics latest video products, such as Hybrid-DVR (HDVR), and Vide-edge NVR4 video solution. The "system is continually developed to meet both industry needs and customer feature requests" said Andrew Fulton, Business Development Director, CEM Systems. It "offers customers powerful integration capabilities with the latest security products released by DSC & American Dynamics and has a host new functionality that enhances user operations". The software's web applications enable customers to access a host of AC2000 SE applications via a standard web browser, without having to install dedicated software. Web applications include 'Web Visitor Management', 'Web Alarm Status Display' and 'Web Door Status Display'.



rmalley@tycoint.com

Wireless Window Handle

Abus Security-Center presents the Secvest 2-way FG350E wireless window handle. The window handle is a discreet solution for external perimeter protection. It is compatible with the Secvest 2-way and Secvest IP wireless alarm systems and is also a practical alternative to wireless opening detectors. The wireless window handle not only locks windows or balcony doors, but also reliably transmits the status (open or closed) of the windows to the alarm center. The handle also acts as a conventional wireless opening detector. The advantage over a wireless opening detector is the lock monitoring of the wireless window handle. Unlike regular opening detectors, wireless window handles detect and transmit open positions of windows to the alarm system. This guarantees that alarm systems are only activated when all windows are closed.



info.de@abus-sc.com

App for Android Smartphones

Camcontrol Android extends the range of Heitel applications for Windows Mobile and iOS with an operating and alarm verification software package for all smartphones and tablets on the Android operating system from version 2.0. The software allows live images to be received from almost any number of analogue and IP cameras via the Heitel Videogateways, search-criteria-supported remote evaluation of local image archives and the enabling/disabling of the system. Users can control PTZ systems and dome cameras, and remotely control relay switching (e.g. for lights, cupboards, doors). The HTcompress image compression method enables fast image sequences, even on low bandwidths.



info@heitel.com

Enlarged Reading Area

Idesco's EPC product family for vehicle identification, logistics, industrial settings and access control just became a little larger. The EPC IA is a UHF product supporting an additional antenna and anti-collision to enable simultaneous detection and querying of multiple tags. With an additional antenna, it has an enlarged reading area, making it a more powerful and versatile reader. For example, it can effectively treat its antennas as two distinct readers, giving the user the freedom to deploy it for specialized tasks. With its two antennas deployed in interval or oblique orientations, the reader can identify a moving target's direction.

jari.valtonen@idesco.fi

App for Mobile Video Surveillance

Abus Security-Center presents a new iPhone and iPad app for mobile video surveillance for its TVVR25000 and TVVR25010 19" Combo digital recorders. The iCombo app enables users to quickly and conveniently view up to four analogue cameras. One of the main features of the app is the live display of up to four cameras and playback from recordings. The app allows storing links to several recorders. This gives the user flexible access to the recorders from a distance and lets you access stored and live video data. You can also save pictures from the live display in the iPhone's (3GS/4G) or iPad's (version 1&2) picture folder, which can then be easily sent by MMS or e-mail if required. One additional convenience feature is the flexible control of PTZ cameras via d-pad – easy for zooming in and out.



info.de@abus-sc.com

Intelligent Protection for Doors

The mechatronic Secvest 2-way wireless additional door locks from Abus Security-Center offer effective protection from unwanted visitors: They provide huge mechanical resistance of over a ton against intruders while the alarm system already raises the alarm. The various



wireless and hybrid alarm systems can also be conveniently activated and deactivated using the Secvest 2-way wireless additional door locks. Even when the alarm system is deactivated, the lock stays in surveillance mode and can detect a break-in attempt. While the mechanism prevents the intruder from breaking in, the centre is automatically activated and triggers the alarm. Just like a smoke detector, the wireless additional door lock alerts the alarm centre in case of an alarm. When blocking the wireless additional door lock, the alarm centre automatically switches to activated or deactivated. The user is informed directly of the alarm system status through acoustic feedback. This prevents the alarm system from being inadvertently activated and prevents the user from forgetting to deactivate it.



info.de@abus-sc.com

High Secure Door Release Elements

The Deister Door Loxx concept combines maximum reading range with long battery life. It strictly separates the reader from the electronic cylinder. The cylinder is the unlocking element to couple or decouple the door knob. The release signal is sent AES encrypted to the cylinder. Once the cylinder is installed it can remain even if the associated reader is replaced by a new technology reader. This ensures future technologies to be easily integrated into existing systems. Two types of door release elements are available at first; an electronic cylinder and an electronic mortise lock. The door release elements can be combined with different reading technologies. All off-line doors are reliably networked via Tagnet. In order to implement real-time reports the Airlink wireless system is used. The product family communicates via the open de-Bus protocol which is used by many of the manufacturer's partners. The Airlink protocol for wireless networking is secured by AES encryption, nevertheless is accessible for business partners. The aim is to be able to integrate as many components into a system solution as possible.



info@deister-gmbh.de

Day and Night

Everfocus has brought four more Day/Night cameras to the market – they are now available ex stock. The new „camera package“ contains cameras with and without IR LED. Some of them are equipped with motorized varifocal lenses and/or Wide Dynamic Range. All presented camera models come with automatically swiveling IR cut filter for proper day/night switching.



info@everfocus.de



GeViScope+

Compact Megapixel Cameras

Arecont Vision has expanded its Compact Megavideo line of box cameras from 10 models to 15, including a new 1.3 megapixel compact H.264 model (AV1115), a Full HD1080p compact H.264 model (AV2115), a dual-mode 10 megapixel/1080p compact H.264 camera (AV10115), 3 megapixel H.264 (AV3115) and 5 megapixel H.264 (AV5115) compact cameras. These cameras are less expensive, smaller (with 45 percent less depth dimension) and 33 percent lighter than previous models. The cameras are also easy to install and can fit into smaller housings. For example, the cameras can support 4.5–10 mm and 8–16 mm varifocal lenses and still fit inside a 4-inch dome housing. www.arecontvision.com



For Busy and Colorful Scenes

Bosch introduces the Dinion HD 1080p Day/Night IP camera, the latest addition to the manufacturer's high definition (HD) portfolio. The camera achieves a very high performance, combining full HD resolution images with excellent low light operation and color reproduction. 1080p is equivalent to 2 megapixels, conforming to the HD standard. The entire advanced image pipeline, from lens to image processing, ensures images stay sharp throughout the scene. This allows reliable identification of faces, objects and alphanumeric information over a wide area. Operators can zoom in to any part of a scene to examine specific details without losing clarity. A specially selected image sensor enables superior detection and analysis. Images are very clear, making it easier to identify items, while different color tones can be distinguished even in poor lighting. Spotting alarm situations is easy and very dependable. www.bosch.com



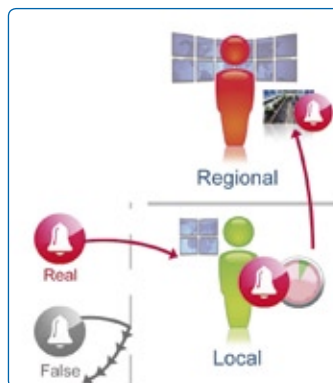
Full HD IP Dome Cameras with Audio Functionality

Basler's upcoming BIP2-D1920c-dn (Outdoor) and BIP2-D1920c-dn (Indoor) dome camera models provide real-time video with 1080p Full HD resolution at a frame rate of 30 fps. To minimize bandwidth consumption and storage requirements at such high resolutions and frame rates, the IP Cameras offer a choice of two different H.264 compression profiles, one of which is the High Profile (up to level 5). This standard is also used in Blu-ray technology and will deliver smooth motion even when image streams are played in reverse. With the integration of audio functionality, both a microphone for audio recording and speakers can be connected to the camera. In addition, the manufacturer's IP dome cameras have a built-in microSD-HC card slot that can be used for local storage of up to 32 GB of data. www.basler-ipcam.com



Eyes an Ears Everywhere

Indigovision introduces a software – the SMS4 release 3 – to coordinate responses between agencies and operatives with pervasive real time video. The system automatically validates incoming data to verify critical events, escalating video for management of the situation to personnel in other locations and ensuring an appropriate response. Operatives are provided with both real time and recorded video, giving them the 'eyes and ears everywhere' to optimally assess the situation. The release starts with the qualification of incoming data to filter out false alerts so personnel can focus on likely threats. The system also lets the user embed prior intelligence by noting the sequence and combination of events that may constitute a situation. Qualified alerts that are not assessed within a certain time period are then automatically passed along a chain of operators, accompanied by real time contextual video, to guarantee a swift response. Events that are identified as priority get automatically escalated to higher levels of authority and/or agencies in other locations. enquiries@indigovision.com



SECURITY DOESN'T GET ANY BETTER



At GEUTEBRÜCK the + adds ...

- + **security and reliability**, because the same-source hardware and software were made for each other
- + **flexibility and efficiency**, because multi-standard systems let you choose the best video compression algorithm for the task
- + **economy**, because you can mix analog with IP to migrate at your own speed

See [re_porter+](#) and [GeViScope+](#) at www.geutebrueck.com

GEUTEBRÜCK

Competence in Video Security

Fisheye Lens Image Correction

Intersil Corporation introduces a fisheye image correction technology – the proprietary technology provides real-time correction of distorted video images generated by a fisheye lens' ultra-wide field of view, and delivers corrected images in a normalized rectangular output. This technology integrates a high definition Image Signal Processor (ISP), delivering a single HD resolution video output and up to four standard definition video outputs. The technology is compatible with all types of fisheye lenses and enables a single fisheye camera to replace four existing cameras. In automotive applications, the technology enables a wide angle, panoramic camera to provide a viewing angle up to 180 degrees. For the security surveillance market, the technology incorporates a motion detection engine along with digital pan, tilt and zoom (PTZ) functionality. This functionality allows users to pan, tilt and zoom while removing blind spots and eliminating reliability challenges associated with conventional mechanical PTZ camera systems.

crobinson@intersil.com

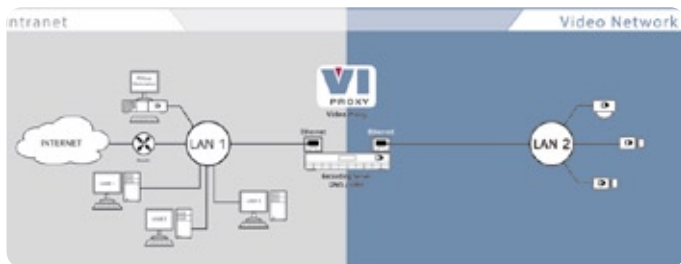
Wireless IP Transmission with 22 km Range

KB Videosystems has successfully performed the 22 km range test in UK. Without big efforts the wireless units have been installed at Rhyl and Great Orme (Wales). Instantly a perfect video arrived at the receiver. The camera could be steered smoothly. The manufacturer's Long Range IP System worked perfectly and bridged the distance of more than 22kms without any problem and at the first attempt. The mobile installation confirmed the capability of the systems and established a remarkable demand for wireless IP systems needed for replacement of expensive leased lines.



freisleben@kb-videosystems.com

Dedicated Network for Video System



Dallmeier's Viproxy is a licence that provides a video proxy function at the recorder by activating a second Ethernet interface. With this function it is possible to set up a dedicated network for the video system, which relieves the intranet and further increases security. With this licence the recorder serves as a proxy server for the video system: it acts as a connecting link and communication interface between intranet and video network. A direct access to the cameras of the video network is thus prevented as all queries for live image and playback run via the recorder (= video proxy) on which the relevant access rights can be set. The first Ethernet interface at the recorder, Ethernet 1, is the standard interface and always active. It allows the use of a standard gateway for the connection of the device with other networks (e.g. internet). The second Ethernet interface, which is activated with Viproxy, is suited for the connection of the device with a second local network. It is possible, for example, to set up a completely separate network dedicated to IP cameras. The video network is now physically detached from the first network. The major advantage of that is that the network load of the "normal" intranet remains unaffected by the video network. Moreover, the video network is not connected with any other network such as the Internet. In this regard the system acts as a firewall that does not allow external access to the video network. The video surveillance system thus fulfils highest security and data protection guidelines.



info@dallmeier.com

HD Cameras in Banks

Dallmeier's Videonetbox Bank as well as the DMS recorders of the bank series are certified for use with IP cameras according to DGUV Test. It is therefore now possible to also use HD cameras in banks. "HD cameras provide better image quality, which is especially advantageous with overview cameras. The circumstances of a robbery can thus be reconstructed more clearly and staff can be better protected", explains bank expert Armin Biersack, Manager Application Engineering. "Additionally, if HD cameras are used, it is possible to reduce the number of cameras necessary, which in turn means that infrastructure requirements are lower", Biersack continues. The certificate „DGUV Test“ (formerly UVV-Kassen) certifies a high-quality standard of digital recording systems for the use in banks and financial institutions.



info@dallmeier.com



Discreet, Adaptable and Environmentally Friendly

Honeywell announced the addition of a miniature True Day/Night PTZ dome camera to its Performance Series range. The HDTX PTZ dome offers the economy and size of a fixed lens mini-dome camera whilst offering the functionality and versatility of a PTZ dome. It is a low profile unit suited to areas where a larger dome is impractical. Its small size remains virtually unnoticed in varying indoor surveillance applications, so it is perfect for retail sites or other environments where customers and visitors are monitored.



The camera provides very high picture quality – even in low light - due to its 10X optical zoom lens and 470 TVL resolution. A single connection lead connects straight into the dome, saving the installer time on site or allowing more domes to be commissioned per day. Each unit comes with fittings so that it can be flush or surface-mounted. Wall and ceiling mount brackets are also available. The camera is also environmentally friendly, and designed to consume less energy. Customers have the option to power it via either a 24VAC or 12VDC power supply. "The HDTX offers installers and end-users a small, adaptable product that is easy to install and cost effective to operate," comments Jeremy Kimber, Commercial Operational Marketing Leader EMEA. "In addition, because HDTX has a 360° viewing angle and the ability to get to any one of 127 programmable preset positions at 360° per second, it offers fast image capture in any direction."

catriona.malone@honeywell.com

Outdoor WLAN Network Camera

Abus Security-Center is presenting a new WLAN network camera for outdoor surveillance. This VGA IP camera has been specially developed for private use, e.g. video surveillance of entrances. It provides color recordings with 640 x 480 pixels in real-time. Video data is transmitted wirelessly via WLAN. A covered power cable provides optimum protection against manipulation. To simplify integration in existing surveillance systems, the camera supports the manufacturer-independent ONVIF standard. Thanks to its IP54 protection class, the new outdoor camera can also be used in uncovered outdoor areas without requiring additional weatherproof housing. Rain, snow and direct sunlight are no problem. With an angle of vision of 53.1° the camera can cover the entire entrance area when positioned correctly. Legally sensitive zones can be hidden using private zone masking.



info.de@abus-sc.com

Accessing Video Images Any Time



The iPhone App "Dallmeier Mobile Video Center" enables the mobile access to Dallmeier systems (DVR, NVR, server, cameras) with an iPhone. Users can conveniently access live images as well as the corresponding recordings on the go. Special transcoding prepares the images for ideal display on the iPhone and ensures a high frame rate at the same time. The App has the typical iPhone intuitive operation including multi-touch zoom. Separate settings for 3G and Wifi operation can be made. Particularly interesting: a 3G download counter with adjustable limit allows an efficient cost control at every moment. For an optimal overview all cameras are shown in a list with preview images. The picture resolution is freely selectable: QCIF, CIF, 2CIF, 4CIF or HD (for HD cameras in connection with the Dallmeier iPhone server). A recording and snap shot function is available both in live and track mode. For a quick and convenient access on current recordings, there is a separate daily-track, additionally an individual favorites list can be created. System messages are also displayed. The App is available in the iTunes App Store. System requirements for the App are either a Dallmeier iPhone server or an activated PRemote licence on the manufacturer's recording system.



info@dallmeier.com

Entry Level IP Cameras



Geutebrueck has launched a range of Ecoline IP cameras with the introduction of three entry level cameras designed for integration into the manufacturer's video security systems. All three are progressive scan cameras offering sophisticated functionality, and ONVIF compliance. Each comes with its own power supply as well as optional PoE support for additional flexibility in installation. The EcoFD-2310 is a fixed dome camera with IR LEDs and a varifocal lens for indoor day/night applications. It has a 1/4" CCD sensor and streams M-JPEG video at up to 15 fps. The EcoFD-2410 is a vandal-resistant, 1.3 megapixel EcoFD-2410 fixed dome camera also with IR LEDs and an integrated varifocal lens. Its 1/2" CMOS sensor streams M-JPEG video at up to 24 fps. The EcoBC-1110 is a hybrid 1.3 megapixel IP box camera with a 1/2" CMOS image sensor and a maximum picture rate of 24 fps using M-JPEG format.

info@geutebrueck.com

Dual Dome Camera

Mobotix has released its D14 Dualdome Camera, a weatherproof and shock-resistant 6.2-megapixel surveillance camera that is the successor to the Mobotix D12 camera. With two separately adjustable camera modules, each with 3.1 megapixels, the camera offers a variety of ways to examine a scene because the two modules can be combined to create one image. It also provides a digital PTZ and has no mechanical moving parts. Equipped with a 90° wide angle and tele lenses, the camera can monitor an entire scene and, at the same time, the tele lens can record portrait photos in front of a particular area, such as an entrance. With one of the cameras installed on the wall, the two 90° lenses even allow 180° recording when monitoring an entire parking lot, for example. With the addition of a digital sensor switching function, the camera can also be used as a day/night camera since it can be equipped with one color and one black/white module ensuring the most brilliant color during the day and high sensitivity at night. The camera includes motion detection that can trigger recording and alarm notifications can be sent via email or VoIP. It is also compatible with the SIP audio protocol. The integrated DVR includes up to 64 GB memory and records for weeks without a PC. If needed, the memory can be extended to terabytes with an external NAS drive.



info@mobotix.com

Centralized Management Software Upgraded



Plustek has upgraded its Centralized Management Software "Multi Manager" with improved monitoring effectiveness and efficiency. The "Smart Cycling Control" tool brings convenience to multiple-channel monitoring. Additionally, alert notification functionalities are improved to assist users in staying on top of alarms and to better respond to emergencies. User permissions also are better refined, providing more control and flexibility to the system. Last but not least, several other developments to image and video output file types, video recording performance, and user operations are made. The Smart Cycling Control tool is suited for users needing to monitor multiple channels. Prior to the update, the software allowed for live viewing of up to 128 channels through 1, 4, 8, 16, 32, or 64 channel display modes. To do so, users simply start up the software from a remote PC, key in a domain name (DDNS) to bring up all the Plustek NVRs it is supporting, and connect to preconfigured network cameras of the Standalone NVR. From there, users can choose a display mode and manually switch screens to monitor all the desired channels.

www.plustek.com

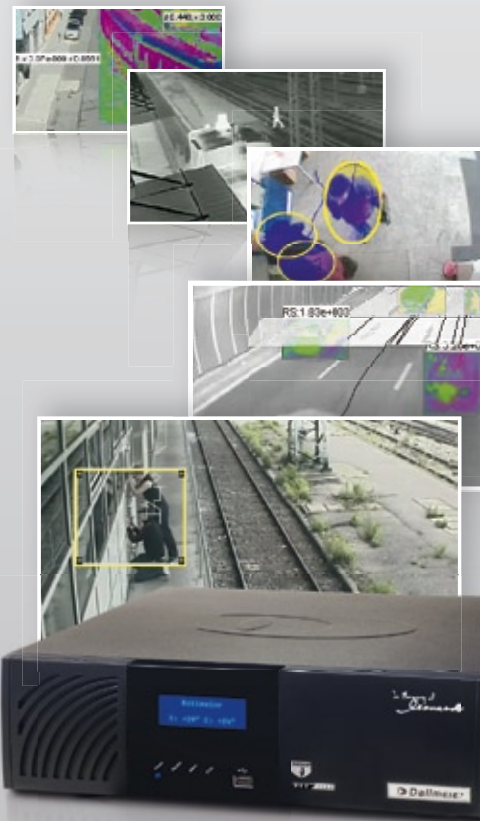
DVS 1600

Intelligent Video Analysis

All-in-One:

- video analysis
- recording
- transmission

- Automatic alarm messages and efficient research for events
- Analysis, recording, transmission and research in one system
- Optimized for professional permanent operation 24/7
- Low false alarm rate due to comprehensive validation mechanisms
- Easy configuration and maintenance thanks to integrated wizard



Since 2001

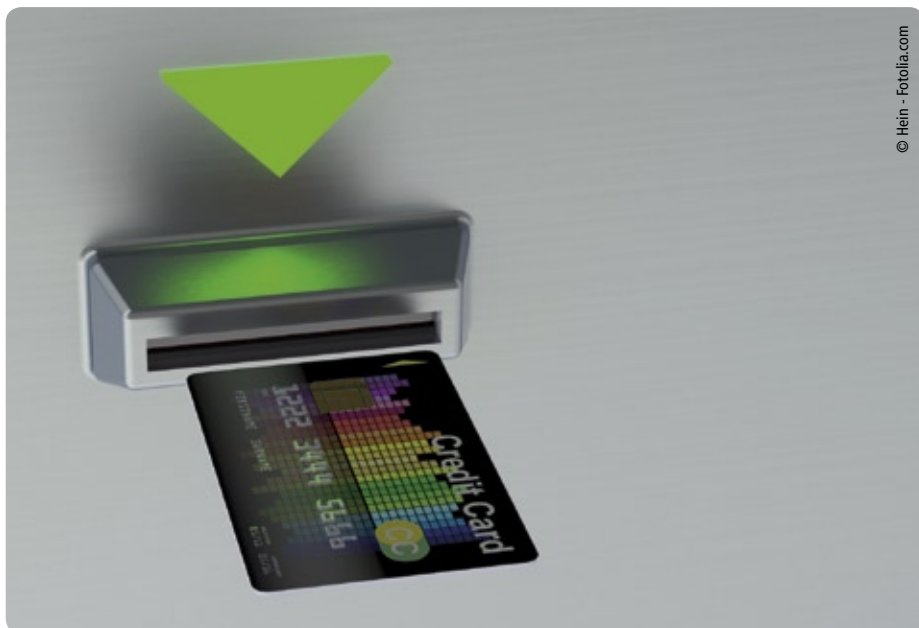


SEDOR® Technology inside

Dallmeier

www.dallmeier.com

Banks are a type of business that devotes special attention to security. One of the reasons for this is that having a good reputation is very important to them. Banks use video surveillance systems for both security purposes and gathering information needed for handling customer complaints. So it is not only necessary to equip bank offices with these systems, but also ATMs that are often situated far from each other and from bank branches.



© Heim - Fotolia.com

SECURITY FOR BANKING

A Centralized System for ATM Security

Video Management Software Helps Bank to Secure Their Most Vulnerable Installations

Video Surveillance at Bank Branches

Bank branches use various security measures, such as video surveillance systems, access control, and security and fire alarms. One of the unique qualities about many banks is the high number of offices that are often located far away from each other, such as in different regions. The easy way to reduce the costs of maintaining a video surveillance system located throughout different branches is to create a single distributed system that can be centrally controlled.

Video surveillance systems in bank offices can use both analog and IP cameras. It should particularly be noted that some video surveillance platforms provide the opportunity to create hybrid systems, which use both types of equipment. This allows the company to optimize expenditures by using expensive and secure high-resolution IP cameras only where it is really necessary. Axxon-Soft's integrated software solution Intellect, is a platform that makes distributed and hybrid video surveillance systems possible.

ATM Security

The ATM is one of the most vulnerable sections of a client's service system. This is because banks generally, have a large number of ATMs that are not only set up at bank branches, but also great distances away from them. Yet ATMs that are set up at branch offices or next to them and usually work 24/7. In other words, these ATMs are

available even when the office itself is closed. So ATM security systems play a particularly important role, since they protect the bank when there are no security guards nearby.

In addition to alarm sensors and anti-skimming systems, ATMs are equipped with video surveillance systems that are needed to record information about events taking place. This kind of information is required both to find out the circumstances behind various incidents, as well as behind grievances with bank clients. There are several options for implementing ATM surveillance systems.

Local Systems

The first option is a local video surveillance system that is not integrated with ATM software. Such systems are based either on stand-alone DVRs, or on the ATM's computer. For this purpose, a video capture card and an additional hard disk for storing video archives are added to the ATM computer, and video surveillance software is also installed. These systems cost the least, but have a number of disadvantages.

One of the drawbacks of not having an integrated system is that it is difficult to find video footage related to certain transactions. This footage can only be found according to the time when a card ID number appears on video, which is not very convenient. In addition to this, it is possible for the internal clocks in the ATM video

surveillance system and in the processing center to be out of sync. In this case it becomes even more difficult to search for video footage based on when a transaction occurred.

One of the limitations associated with a local system is the need for a special team to leave in order to retrieve video archives, while another is the low speed for data acquisition. Additionally, the DVR can fail or be damaged by hackers, but a bank's security service can only find out about this after a few days during a scheduled ATM check. It should be noted that keeping a team to constantly complete ATM loopbacks is extremely costly, as ATMs are usually located considerable distances away from each other.

Integrated Local Systems

Another type of video surveillance system is the local system that is integrated with ATM software. These systems synchronize video with transaction data, allowing the user to search for video files not only by the transaction time, but also according to the transaction data. These systems are much more effective when searching for video files by transaction, but are still limited because they are outside of the information network. Also, these systems offer advanced features. For example, if any potentially dangerous events occur, such as an incorrectly entered PIN-code, the system can switch over to a mode for recording live video at 25 fps.

Integrated Distributed Systems

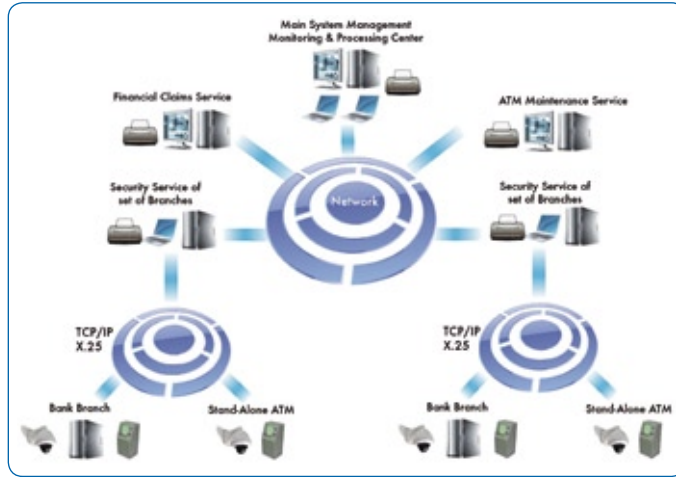
The third and final type of system is the integrated system that offers remote monitoring. This kind of system allows data to flow from a locally installed DVR that is integrated into the ATM's management software into a remote monitoring center. This gives the option to not only efficiently retrieve live video in the event that ATM alarm sensors operate, but also to access video segments associated with specific transactions for any DVR / ATM. This type of system is more effective in regards to safety; however, the technical implementation of similar systems is complex due to lower-bit-rate channel connections, which ATMs very often have.

AxxonSoft's ATM-Intellect is an example of an integrated system with the option of centralized control, solving the problem of lower-bit-rate channel connections. Geographically distributed networks include local ATM video surveillance systems, remote visual-inspection control panels for ATM groups, and video surveillance system diagnosis control panels.

Local video surveillance systems are placed at an ATM's location. They can be situated either inside the ATM itself, or next to it; but if the ATM is located inside a branch office, they will often need to be in a separate room. Local systems are based on computers with specialized software that operate the camera settings, record camera video into the archives, register and synchronize alarm sensor operations with videos and other ATM events and transaction data, and even convey alarm sensor alerts and requests for video archives.

ATM transaction data enters the computer of a local system and is linked to video files. Transaction parameters are superimposed over images in captions when viewing video files or still images that are relevant to a transaction. It is possible to retrieve archived video files according to these parameters, or according to their date and time.

Several local systems are connected to a network through a remote visual-inspection control panel which is located in a bank's security unit. Alerts and related video data come from local sys-



tems to the control panel, and the security staff is able to locate video images in archives of every system.

The remote visual-inspection control panel and local surveillance systems interact via TCP/IP or X.25. Optionally, not only can special separately linked channels be used for this purpose, but also established ATM networks that connect each object with the bank's processing center. If the bandwidth is low, then video will not be transmitted, and only the alarm events and the related video footage will be transmitted. The video images can also be transmitted by an operator's request.

Additional benefits of the ATM-Intellect solution include the option to control video surveillance security system diagnosis, and to equip ATMs with the help of a diagnostic control panel located at the service company.

Advantages of an Integrated Distributed System

ATM-Intellect is an integrated distributed solution for ATM security that allows not only the installation of surveillance through a network of ATMs, but also:

- Efficient remote receipt of alert events from ATM's sensors and the related video files
- The integration of video files with ATM events, alarm sensor operations, and transaction data
- Remote record retrieval in video archives by all types of data above
- Remote status monitoring of ATM hardware and video surveillance systems

The option to work on conventional lower-bit-rate ATM network chan-

nels, namely on both TCP/IP and X.25, is one of the key advantages of ATM-Intellect solution. Another unique benefit is the possibility to cut staff costs and speed up data flow, as you do not have to travel to ATM sites to in order to retrieve video archives, or to monitor the hardware health.

Yet another pro of the ATM-Intellect solution is that it is based on Intellect's integrated security platform. Using this platform, it is possible to create a unified dis-

tributed bank security system that includes video surveillance, an access control system, an in-office security/fire alarm, and an ATM security system. Intellect allows for the organization of a single monitoring center to control and manage all of the bank's security systems. It also ensures the unification of hardware and cabling. For example, a bank's CCTV system and an ATM video surveillance system that are located at the same branch can be powered by a single computer. This enables you to cut costs on creating and maintaining the security system.

CONTACT


Torsten Anstaedt
 AxxonSoft GmbH,
 Wiesbaden, Germany
 Tel.: +49 611 1575140
 Fax: +49 611 1575141
 torsten.anstaedt@axxonsoft.com
 www.axxonsoft.com

MINTRON

High-Definition Low-Light

1080p/720p 50/60fps

CMOS/CCD HD Camera



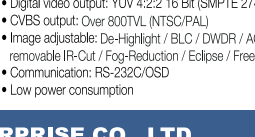
HD-IP CAM

- HD 720p Multiple-streaming
- Codecs: H.264 / MPEG-4 / M-JPEG
- CVBS



Megapixel Camera Module

- Image sensors: 1.3-3M CMOS/CCD Sensor
- Built-in ARM926-EJ-S/Memory
- Digital video output: YUV 4:2:2 16 Bit (SMPT 274M/296M)
- CVBS output: Over 800TVL (NTSC/PAL)
- Image adjustable: De-Highlight / BLO / DWDR / AGC / 3D DNR / removable IR-Cut / Fog-Reduction / Eclipse / Freeze / Digital P.T.Z
- Communication: RS-232C/OSD
- Low power consumption






3G-SDI CAM

- Uncompression video: 720p/1080p
- Video transmission based on coaxial cable
- Bit rate: 2.97Gb/s SMPTE 292M/424M
- One cable (Video/Audio/RS-232C/Power embedded)
- CVBS

MINTRON ENTERPRISE CO., LTD.

No.123,Wu-Kung 1 Rd., Wu-Ku Industrial Park, Taipei (248), Taiwan
 Tel : 886-2-22990277 E-mail: service@mintron.com.tw
 Fax: 886-2-22989375 Web : www.mintron.com Skype: mintron3601



SECURITY FOR BANKING & FINANCE

Video Security for 1,200 Branch Offices

Geutebruck Supplying Hybrid Digital Video Recording for All 1,200 German Branches of Commerzbank AG

Germany's second largest bank the Commerzbank AG has awarded the contract for supplying new video security systems for its 1,200 or so local branches to Geutebruck GmbH. A framework agreement was signed at the beginning of April for phased installation over the next five years. The old recording systems of various types and technologies are to be replaced with a new common system which in the first instance will integrate the existing, predominantly analogue cameras.

Chosen for the task is Geutebruck's "re_reporter_bank" which is a pre-configured hybrid digital video recording system with the appropriate BGV certification for use in the German banking sector. The re_reporter can be used with analogue and/or IP cameras and offers camera position analysis and motion detection features so that alarms are triggered if there is any external tampering with the cameras, or any motion in pre-defined zones of the image. The new systems are to be linked into the existing branch alarm systems and the overall package includes full training for Commerzbank staff and their partners.

Installation of the re_reporter in the first Commerzbank branches has begun in April 2011.

Photo: © Julia Schwager, Commerzbank AG

► CONTACT

Carmen Lahr

Geutebruck GmbH, Windhagen, Germany

Tel.: +49 2645 137 0 · Fax: +49 2645 137 239

carmen.lahr@geutebrueck.com

www.geutebrueck.com

intersec

**REGISTER ONLINE
AND WIN!**

www.intersecexpo.com

To register online and win an iPad please fill
in the Visitor Promotion Code: JSAD222

**The largest and most comprehensive
exhibition and conference for security
and safety in the Middle East**

- Commercial Security & Information Security
- Fire & Rescue
- Homeland Security & Policing
- Safety & Health

January 15 – 17, 2012

Dubai International Convention and Exhibition Centre,
Dubai, UAE

Intersec 2012

- 850 exhibitors expected
- 23,000 visitors expected
- 10 Halls
- 3rd UAE International FireFit Championships
- Exciting Outdoor Demonstrations + Conferences

www.intersecexpo.com



messe frankfurt



The world of financial service providers was undergoing an extensive structural and organizational change long before the international financial crisis. As a result, innovative and comprehensive security concepts that take account of changes within the branches are in high demand.

Previously, traditional branches with a few consultation seats, cashiers' desks secured behind bulletproof glass, and an ATM on the outside wall could be secured by standardized solutions. However, today's heterogeneity of branch landscapes requires individual security measures, which have to be integrated in a company-wide security concept.

In larger branches where cash is handled by bank personnel, the focus is on personal security with hold-up alarm systems, optical area monitoring and intrusion monitoring for vaults. In contrast, at smaller, self-service branches, the focus is on monitoring the ATMs and preventing vandalism. In the back office areas of the branches trap surveillance against burglars is very important – in addition of course to CCTV and access control systems. At self-service counters, all components of the security system have to be adjusted to the different usage times of the foyer. Particularly in order to safeguard background objects and monitor self-service branches, intelligent CCTV systems and access control systems are becoming more important.

An optimal use of internal security systems as well as the integration of the respective assistance providers is achieved through an interconnection of the devices. For example, a live transmission of video images to the police alarm control center or to an emergency service monitoring center enables a much faster and more accurate assessment of the situation. Thus targeted measures can be initiated immediately.

Robbery and Assault or Atypical Hold-ups

Most new, integrated security concepts for banks are also designed to minimize the risk through bank robbers, who may use physical violence to achieve their targets. Controlled access, time delay for entering sensitive areas optimized processes for triggering discrete alarms are some of the possible solutions. Furthermore, biometric procedures can be used. It's at the core of this concept to protect associates against atypical hold-ups where offenders ambush associates when they enter or leave the credit institute. In addition, these measures also protect associates and assets effectively against typical hold-ups during opening hours by regulating access to the background objects with a time lock. Similar to the personnel entrance, a combination of access control, time delay, and silent alarm triggering is used. In addition, the concept includes a remote locking option for the customer entrance that is specially designed for small and single person branches. Using a button at his desk, the associate can open the customer entrance permanently or in a controlled manner to allow access to individuals. Additional features include an interlock function, for example, for deliveries of money, time monitoring for open doors, as well as access authorizations on doors to security areas.

Intrusion Detectors and Access Control

However, not all offenders are active during opening hours. Thus the classical intrusion alarm

system is still of great value. Banks that prefer a standard technology across the company but at the same time need individual security concepts within specific branches can use modular systems such as the Modular Alarm Platform 5000 (MAP 5000) from Bosch. Systems of this kind can also easily be adapted to specific environmental conditions. The new main branch of the district savings bank in Ahrweiler is a special challenge for those planning the security technology. Within the branch, a MAP 5000 with seismic detectors protects the assets during the day. At night, the high security zones, including the closed passageway, is monitored by infrared motion detectors. Furthermore, it was possible to integrate an access control system, which is also controlled and managed via the touch panel of the intrusion detector system.

► CONTACT

Erika Görg
 Bosch Security Systems, Grasbrunn, Germany
 Tel.: +49 89 6290 1647
 emea.securitysystems@bosch.com
 www.boschsecurity.com

Case Studies



Banco del Bajío, Mexico

The Banco del Bajío in Mexico installed a new security solution which enables integrated operation of diverse security systems and communication between all subsidiaries, business offices and company buildings. The "G Series Panel D9412GV2" integrates already existing security systems regardless of their manufacturer, too. Indoor and outdoor video surveillance, fire detection, access control and intrusion detection systems provide a maximum of safety and security for both coworkers and clients. This integrated solution is managed centralized by the security department and thus helps to avoid unpleasant false alarms.



District savings bank Ahrweiler, Germany

The district savings bank of Ahrweiler opted for the Modular Alarm Platform "MAP 5000" in their new main office. Due to the location in a busy shopping street, there is a heightened requirement of security which is provided during the day by a seismic detector. At night additional infrared motion detectors secure from intrusion. All detectors are linked by the local security network LSN to the security department. Alarm conditions of all vaults, ATMs and the safe deposit boxes can be monitored on the touch panel. The modular structure of the MAP 5000 system offers easy customization abilities and further expansion possibilities that come in handy when integrating new buildings or rooms.



DIGITAL
Dual TECHNOLOGY Barrier
 range 200 mt.

IMN200RS series

State of the art combination of Microwave and IR technologies to assure maximum protection while drastically reducing false alarm rates due to uncontrollable agents.

- Detection Mode: MW + IR
- Range: 200 mt.
- Heights: 2.0 - 2.5 - 3.0 - 4.0 mt.
- Nr. of IR beams: from 2 to 8
- Nr. of microwaves: 1 / 2
- Alarm signal: Contact Relay and/or RS-485
- RS-485 output for remote programming and diagnostic








ALARMITALIA®

outdoor protection
 our profession

SICURIT Headquarter
 Via Gadames, 91 Milan - Italy
 T : +39.02.380.70.1
 F : +39.02.308.80.67
 I : www.sicurit.com
 E : export@sicurit.it



MADE IN ITALY

SECURITY FOR BANKING

Single Security Banking Solution

Garanti Bank is Turkey's second largest private bank, with an established history stretching back 63 years. Garanti continues to increase its market share in all business lines by pursuing the proven strategy of efficient, profitable and sustainable growth it has followed since its inception. The bank's highly competent and dynamic employees, its customer-centric approach, its innovative products and services offered without compromising on quality, all establish Garanti's pioneering position in the Turkish banking sector. Garanti's successful, solid and consistent performance makes it a "universal bank" well recognized around the globe.

GarantiBank Romania

In 2009, GarantiBank was authorised access to the Romanian market by the National Bank of Romania, becoming operational by the end of May 2010. GarantiBank is a universal bank offering a large range of quality products and innovative services to all business segments. In Romania, GarantiBank benefits from the support of its established international and Turkish operation. Collectively the bank has more than nine million customers, 800 branches, and a network of more than 3,000 ATMs and 380,000 POS terminals.

Pre-existing Situation

GarantiBank Romania operates a network of 54 agencies and 150 ATMs. Like most banks, GarantiBank pays special attention to the safety and security of its assets, but more importantly, that of its employees and clients. In order to build a robust and reliable security solution, GarantiBank started looking for a solution that would offer access control, intrusion and fire detection and video surveillance. Looking at the different options in the market, UTC Fire & Security was selected as its manufacturer of choice throughout Romania. After evaluating the current lay-out of the sites, local UTC Fire & Security installers began with the implementation of a full-blown solution.

Creating a Fire & Security solution

All of GarantiBank's Romanian sites have, since their set-up, been equipped with UTC Fire & Security's ATS Master control panels, covering intrusion detection and access control. Currently

over 150 ATS panels are in place, connecting approximately 1,400 intrusion detectors and 600 badge readers. In addition to this, a fire detection system has been installed, supported by over 1,500 heat and smoke detectors. To complete the system, more than 100 of UTC Fire & Security's TruVision digital video recorders now provide video surveillance.

While in the past each site was managed independently, GarantiBank Romania's central security operations is now equipped with UTC Fire & Security's Alliance security management tool. This software tool allows security personnel

to monitor, operate and maintain all aspects of the UTC Fire & Security security solution. This solution allows GarantiBank Romania to optimise their security operations, while increasing safety and privacy at their local sites.

CONTACT

Amy Knoten

UTC Fire & Security

Tel.: +32 2 725 1120 · Fax: +32 2 721 4047

amy.knoten@fs.utc.com · www.utcssecurityproducts.eu





License Plate Recognition Camera

Genetec has launched the Autovu Sharp VGA, a license plate recognition (LPR) camera with on-board processing. This latest addition to the manufacturer's existing line of IP LPR cameras was engineered and designed with a specific application in mind: capturing plates of cars passing in a contained zone (i.e., the entrance of a parking lot). The new system is a lower-cost, alternative version of the Sharp XGA. Both cameras have on-board analytics processing to ensure a very good capture of license plate images. The smaller VGA sensor represents a cost-effective solution, especially in applications where more than one camera is required. The camera was developed with access control points in mind, among other applications. It is well suited for applications where vehicles are moving at moderate speeds, and the area where the vehicle plate will be seen is well defined, like at a toll gate entrance. [www@genetec.com](http://www.genetec.com)

Mobile Recorders

Fuho mobile recorders MR1 and MR2 are mobile recording devices with 1 or 2 built-in cameras, suitable for all types of vehicles. For sports events, taxi surveillance, holiday trips, route control, driving schools, safety trainings or busses, these easy to install recorder solutions offer a high image quality (up to full HD 1080p) with special features: accelerometer, satellite receiver for GPS, GPS speed indicator, GPS positioning - including Google maps analytics function for visualization of the recorded files after the trip -, synchronous playback of both camera signals, a variety of export functions as well as automatically emergency recording in case of causing an accident (G sensor recognizes abnormal accelerations and starts recording automatically). Independent from camera recordings, additionally single frames of important scenes can be recorded. cmeuwissen@vidicore.com



Estimated Gender and Age Profiling

Panasonic Security Solutions has introduced the WJ-NV200 16 channel NVR to security professionals in 2010 and this year demonstrated its fast setup with a Top Gear style speed challenge at Ifsec. The company now details how the device can be upgraded with additional business intelligence kit, WJ-NVF20. It extends the system capability for number of faces that can be matched and speed of face matching to enhance suspect detection efficiency. It also extends surveillance capability in commercial and marketing applications where gender and age profiling can provide valuable marketing insight into for example consumer behavior. Compatible with the latest i-Pro Smart HD cameras, WJ-NV200 already made it possible to apply real time face matching technology essentially adding another set of eyes in camera monitoring, freeing up security personnel time and helping create a more efficient security operation. The new kit extends that capability, adding people counting along with estimated gender and age profiling. tom.gibson@eu.panasonic.com

All-Weather H.264 Camera

Iqinvision announced the release of the newest version of its Iqeye Sentinel HD Megapixel series of cameras. The series with remote back focus controls is an H.264 Main Profile camera available in 1.3 MP, 2 MP, 3.6 MP, and 5 megapixel models. These all-weather sentinels are designed with the installer in mind, integrating ceiling and parapet mounting options, rugged aluminum construction, and an IP66 enclosure that allows the camera to be installed quickly and easily. Remote back focus greatly reduces installation time using the One-Touch-Focus feature for sharp video, and allows fine focus adjustments from a remote computer eliminating the need for manual focus adjustments at the camera. The system supports up to 5 MP resolution with multiple, individually-configured H.264 and simultaneous MJPEG streams, delivering the highest quality megapixel video with highly efficient bandwidth use. Features like Ethernet terminal punch-down, steel camera hangers, and remote back focus reduce installation costs and time.



www.iqeye.com

The World's First Open HD Surveillance Platform

www.avigilon.com



AVIGILON
THE BEST EVIDENCE™



“Superior image clarity combined with the system's advanced management features for fast and easy video recording and playback make Avigilon today's ultimate choice in HD surveillance.”

Airberg



SECURITY FOR RETAIL

Cut Your Losses

The Latest Applications of IP Cameras in Retail Outlets

Retail theft cost store owners around the world US-\$107.3 billion last year, which is the equivalent of 1.36 % of global retail sales. Retailers need to cut these losses. CCTV helps cut crime, but digital cameras on IP networks will give them even more options.

Retailers are finding themselves investing more and more each year to combat the problem. Last year alone \$ 26.8 billion was spent on crime prevention. The options available to retailers to thwart this problem are numerous. Some solutions to the problem include screening of employees and employee training, increasing the number of products in stores which are protected with electronic tags and conducting supply chain audits. However, the most effective means is that of increased investment in security. According to Professor Joshua Bamfield of the Center for Retail Research, "the correlation between increased security spending and a global 5.6% reduction in theft is very significant." This is particularly true with investment in systems and infrastructure.



Johan Åkesson

Digital Options

However, it is important to be smart when making such an investment. Stores have long been fitted out with security cameras used either to deter thieves or to collect evidence to be used in the event of their capture. But as technology develops there are more and more sophisticated solutions available. With the advent of digital technology comes a range of further options.

Cameras which are connected to the existing IT network bring with them not only the inherent benefits of digital technology but also that of being linked up to the IP infrastructure. This means that retail managers can have remote access to any of their store's video, both live and recorded material, from any desired location including individual devices connected to the

internet or the 3G network. The cameras can also be controlled remotely and can double as two-way communication devices when they are equipped with audio features.

Digital technology has come a long way and megapixel and HD cameras are capable of producing images at up to five times the resolution of those from analog cameras. Cameras equipped with pan/tilt/zoom functionality allow viewers to pan around to see a full 360 degrees of a scene and to zoom in close for a detailed view. These high quality images are indispensable when it comes to investigation and providing eventual evidence of theft.

It is also possible to integrate IP-based surveillance systems with the store's POS (point of sale) system. Transactions at the till can be recorded for total reassurance for the customers, business and staff. The image detail sets network video apart – one can see the value of a note handed over to the cashier and the kind of item handed back.

Integral Added Value

Network cameras don't function purely as tools to record the activity in a scene; thanks to the IP network, the retailer can take advantage of intelligent applications which are either built in to the camera or available using server software. Motion detectors and trip wires are deployed to alert the store owner when there is unexpected movement in an area or unauthorized entry. Cameras also don't just catch thieves; they tell management how well the store is working. They can give a floor manager a good picture of all store activity. The tills might record sales volumes, for example, but the cameras can now record the number of store visitors. Stock takers can see at a glance the current level of stocks on shelves and those in storage. Intelligent cameras can also issue a messaging prompt to staff, urging them to replenish the shelves.

Tiny Eyes

There are many cameras that are particularly suited to a retail environment. For example, Axis Communications has recently released the Axis M50 Series of mini PTZ (pan, tilt, zoom) dome network

cameras which are one of the most affordable models of their size and with their features on the market. Their diminutive stature allows them to be unobtrusively placed in stores above cash registers, aisles or entrances. These tiny cameras deliver HDTV quality images and are accompanied by intelligent video applications such as motion detection, heat mapping to detect people loitering and cross-line detection, which sends an alert when

an unauthorized person enters an area.

Not only can they be used to prevent loss at all stages along the supply chain, reaching as far as the transaction at the till and the exit from the store, they can also deliver valuable business intelligence to help managers optimize sales. In the retail industry's war on loss, analysis seems to suggest we should pan, tilt and indeed zoom toward digital cameras.

► CONTACT

Johan Åkesson
Axis Communications AB,
Lund, Sweden
Tel.: +46 46 272 1800
Fax: +46 46 13 61 30
www.axis.com



Turn night into day!



Network-ready thermal imaging cameras for security applications

Thermal imaging cameras create a virtual security fence. Nuclear plants, petrochemical installations, warehouses, ports and airports, they are all vulnerable to theft or even worse terrorist attacks, and can be protected by thermal imaging cameras. Thermal imagers can detect potential threats for assets and personnel in total darkness, in all weather conditions. You can spot intruders, without being seen yourself.

FLIR Systems offers a full range of thermal imaging cameras for industrial security and surveillance applications.

Whatever your needs, FLIR Systems offers you the perfect solution.

Some of our cameras are fixed mount, others are integrated on a robust Pan/Tilt mechanism to further increase situational awareness. Multi-Sensor systems combining a thermal imaging camera and a daylight/low light camera are also available.

FLIR offers a wide variety of choice with regard to lenses and image resolution. Cameras can be installed either in an analog or TCP/IP network.

For more information about thermal imaging cameras, please contact:

FLIR Commercial Systems B.V.
Charles Petitweg 21
4847 NW Breda
Netherlands
Phone : +31 (0) 765 79 41 94
Fax : +31 (0) 765 79 41 99
e-mail : flir@flir.com
www.flir.com

www.flir.com



The chosen hardware must be easy to install and simple to maintain

(Photo: PCS Systemtechnik)

ACCESS CONTROL

Access IT Project – Part 1

A 3-point Check for the Right Access System and what Systems Are Available

Compared to many other IT jobs, the projects that have to do with securing a company, or divisions of a company, are considered particularly difficult. Apart from the functional aspects, the project team must also get intensively involved with technical questions (passes, access control periphery, system hardware and software) and with organizational matters (labor contracts, authorization models, legal regulations etc.). Careful planning, selection, introduction and sufficient system support must be provided in order to achieve the expected benefits and a high availability.

The usual reasons to initiate an access project are new security requirements spawned by negative events and catastrophes, as well as alterations in the rules and regulations for the protection of people and the environment. Unfortunately, such systems are often also viewed as a method of supervision of the employees because we speak of access control.

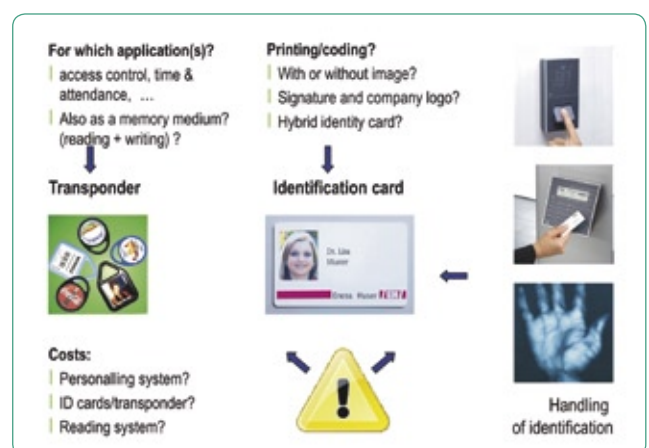
Careful Planning Prevents Disappointment

Access control – also correctly called access regulation – must prevent unauthorized access to buildings, rooms and areas and protect the sensitive assets within from theft or damage. It should enable access to the right people and obstruct them as little as possible. Industrial espionage, which has caused significant damage in recent years, can be prevented with access regulation. Personal data is sensitive. Lack of trust

can bring projects that gather employee data to a halt. And even if such a system is introduced against the will of the staff, its long-term functionality is questionable. The expected benefits and increased security will not be realized – or at least not to the same level.

The 3-point Check for Preparation

Aside from the fact that such systems are subject to worker's participation, one should involve the



staff at the earliest possible stage of the project and thereby go beyond the minimum legal requirements. Full access to the design, method of operation and aims of the systems should be maintained during each project phase, and corresponding information material be made available. This brings not only the benefit that discussions and the resulting requests for modification can be considered at a very early, and thereby still not very costly, phase.

① Formulation of the job definition, the scope and the aims of the planned system are all important right at the beginning of an access control project. Important restrictions on the realization, such as particular system requirements, the costs and the time frame are mostly placed by the management beforehand. Further conditions will be set by the existing IT environment.

② It is most important to establish the security need and the associated security zones. This is a purely organizational definition, based on the respective environment. The company premises and the buildings contained within it are divided into different zones, for which the degree of security can be individually set. It must be distinguished between the operational premises with access points, parking areas and the various buildings with their different floors and departments. Each room and time zone can be assigned to a specific security level.

③ Using layered zone protection ensures that every member of staff can get to the canteen, but only IT employees may enter the computer center. It is useful to distinguish these zones with different color markings to provide an overview of the security zones within one protected object. This defines the zone and helps employees and visitors to see if the zone is secure and permanently under surveillance or is open to anybody (see our lead picture 1).

Easy operation as well as acceptable response times must be ensured when planning and selecting the system in order to ensure rapid flow during peak times. Other important aspects are to include existing evacuation mechanisms, the integration of video surveillance at

neuralgic access points, the logical integration of offline door terminals as well as the maintenance of relevant mechanical requirements for operation with the longest possible service intervals. Emergency management and error management must also be planned in advance.

The Variety of Identification and Access Control Systems

Depending on the degree of security, different functions and system components will be needed. The

simplest are door opening systems, that grant access after checking an ID card. Every staff member who has a valid card can open the door at any time. Only the card number is checked, but not according to groups of people or time criteria.

Where only one or two access points must be secured for a small number of employees, a stand-alone solution in the form of a so-called door terminal or as a lock can be utilized. Access authorities can be loaded using a programming card

or a laptop. According to this logic, a specific employee is only granted access where the reader confirms positive with a door opening signal.

More elaborate access control works with defined groups of people as well as time and zone control. The door is only opened after successful checking of the time and location access parameters. The opening times are administered in a table in the system and distributed to the corresponding terminals with an appropriate program.

See Tec
Software for Video Security



Video Management Software

 MADE IN GERMANY

- Cutting-edge technology
- Scalable and flexible
- Secure and reliable
- LPR and video analysis
- Vertical solutions

www.seetec.eu

PC-based systems with the function of a superior access control 'brain' to which remote card readers are connected in star or bus topology are economic. These systems provide convenient programming features, documentation and core data administration. The maximum number and type of access control terminals that can be connected should be observed however. It can also be programmed in the system that one or more doors can be opened without access control at certain times of day.

An additional module of the access control software is a memory and logging function. It records which employee made an authorized or unauthorized access attempt, at what time and at which

location. In this way it can be established who entered which room and when; possibly also who – or at least, which ID card – tried, although unauthorized.

Systems with an alarm function raise the alarm depending upon events, e.g. an unauthorized access attempt or the failure of access control equipment. The appropriate reaction is defined using the corresponding configuration tool. Technical problems (such as a defective reader) or an operating error must be included. Alarms can be forwarded directly to a control room for processing or simply logged and archived. The latter is recommended for unauthorized access attempts because it remains only an attempt and

the person can be identified by the data generated.

Supervision systems monitor the leaving of a room (after authorized access), the current or maximum number of people per room, a change of room (Person B is not allowed to go from Room Y to Room Z) or the access repetition lock. In all cases, the organizational measures must be taken into account. If no more than three people are allowed to be in a room simultaneously and a fourth person requires access, a visual or acoustic alarm may be necessary if those present are to be requested to leave. The person requesting access must also be advised why he is not allowed to enter. In such situations, an access control ter-

minimal with multi-line display for the corresponding message makes good sense.

In Part 2, Werner Störmer and GIT SECURITY carry out a check of the choice of system, and give you the ten best tips on choosing the right supplier.

Werner Störmer

► CONTACT

PCS Systemtechnik GmbH,
Essen, Germany
Tel.: +49 201 89416 30
Fax: +49 201 89416 10
wstoermer@pcs.com
www.pcs.com

Fire Detection for Industrial Applications

Novar's Flexes control system offers customized industry-specific solutions. Suited for usage in complex industry objects, the 19" concept is based on IT technology installation standards: service-friendly installation in a rack construction with remote connection of periphery. The power supply modules are also placed in heavy-duty racks situated closely near the required batteries, so service technicians can comfortably carry out any necessary maintenance or measurements. As a fixed component, the integral emergency mode and an optional redundant expansion provide increased availability in the industrial environment. This development is complemented by the consistent expansion of the portfolio for industrial applications: One example is the IQ8Quad Atex fire detector with solution-optimized Ex Barrier for individual addressing in explosive atmospheres. Another is the Univario detector: with its robust construction, it is also suited for industrial applications.



info@esser-systems.de

Fire Detection Integrated with Building Management

Apollo Fire Detectors has developed a product that allows fire detection to be fully integrated into building management systems (BMS) without the need for complex bespoke solutions or the use of multiple interfaces. Open-connect Gateway is a plug and play device that can be incorporated into a fire control panel by the manufacturer. It takes the information from the control panel and relays it to the BMS using standard protocols such as Bacnet, Modbus or Lonworks. This brings system specifiers and end users all the benefits of inter-system communication; such as faster response times, coordinated strategies in case of emergency or failure, and pre-planned and pre-programmed evacuation procedures. Because it is an integral part of the fire control panel, it is also simple to install and reduces associated time and costs. john.johnson@proteuspr.co.uk



Fire Suppression

Argonite C60 by Kidde is a combination of the Argonite inert gas fire suppression system with patented C60 Controlled Flow Technology. It is designed to save overall system costs and at the same time continuing to meet the demands of environmental and fire safety regulations. It offers e.g. 60% reduction in peak mass flow; 60% reduction in enclosure pressure relief venting panel and area of aperture in the enclosed wall and therefore savings on vent installation costs. www.kidde.com

Fire Extinguishing without Damage

Jewel Fire Systems has introduced a 'flooding' fire suppression system developed to provide fire protection for a wide range of high-risk industrial environments, using a water-based technology, which ensures little or no collateral damage. The T-Series is a fire suppression system using Dry Water Mist technology – over 120 billion droplets per liter of water –, which not only ensures swift and efficient extinguishing of a fire but also significantly reduces and, in most cases eradicates, post-fire collateral damage. The system applies the mist to the area affected by a fire, using as little as three liters of water per minute rather than the 40 to 100 liters per minute employed by conventional sprinklers. This significantly reduced volume ensures that minimal or no flood damage occurs during or after discharge. Smoke damage is also minimized as the mist adheres to the gases and free radicals produced by a fire, weighing them down to the surface of the surrounding area. carrie.wright@jewelsaffire.co.uk



Portable Gas Detector

Honeywell has launched the Alert Micro Clip XT, the latest member of the GasAlert family of portable gas detectors from BW Technologies by Honeywell, offering a combination of affordability and ease of use to enhance on-site safety. Features include Intelliflash, which provides a visual indication of current operation to both the user and supervisor, and "force bump test" and "force calibration" functionality, to help to ensure that detector is always fully maintained and ready to detect gas. The instrument also features a simplified and tamper-proof single button operation and an intuitive interface to reduce training time. It's slim and compact design also means that the detector is as easy and comfortable to wear as it is to use. Gemma.Bayless@Honeywell.com



FIRE PROTECTION

Two into One Does Go

Multiple Sensor Fire Detectors with Selectable Operating Parameters

The addition of two new detectors to the Cerberus PRO range from Siemens now enables one solution for any application. They feature the company's ASA technology (Advanced Signal Analysis) and selectable parameter sets, and complement the already comprehensive Cerberus PRO product portfolio.



Cerberus PRO is a powerful yet straightforward fire protection system, distributed exclusively by a network of approved Siemens Solutions Partners who are trained to design, supply, install, commission and maintain the Cerberus PRO products, without direct intervention by Siemens.

The new ASA neural fire detector (OOH740) and ASA neural fire and CO detector (OOHC740) both have the capability of early detection of flaming fires caused by the combustion of liquids or solids. They are especially suited to the exacting applications found in data centers, IT and telecommunications equipment rooms, hospitals and nursing homes, restaurants, canteens and kitchens, car repair shops and garages and industrial production facilities.

They ensure accurate detection of the fire criteria – smoke, heat and now also carbon monoxide. This guarantees maximum protection of people and property, even in the most demanding environments, whilst minimizing the possibility of false alarm.

They are also immune to deceptive phenomena such as machine exhaust gases, industrial dust or steam. As a result, they eliminate false alarms that can cause unnecessary and costly interruptions and delays. The new carbon monoxide sensor ensures early detection of CO-generating fires, detecting the gas independently of any fire through an autonomous carbon monoxide

alarm channel. Moreover, the carbon monoxide parameter sets, which comply with Life Safety standards, can be selected independently of the ASA parameter sets.

Clever Detection Technology

Both new detectors contain two optical sensors with forward and backward scattering as well as two thermal sensors, enabling their use as multi-sensor fire detectors, smoke detectors or heat detectors. At their core are pre-programmed selectable ASA parameter sets - from highly sensitive to very robust - that meet the anticipated environmental conditions of each individual detection area.

Real-time situation interpretation results in the selected ASA parameter set being dynamically adapted, reacting more sensitively in the event of a fire and more forcefully in response to deceptive phenomena. This gives unprecedented reliability against deceptive conditions. It also offers real flexibility if usage of any area changes as the existing detector can be re-programmed with a new parameter set appropriate to the new conditions.

A Broad Portfolio with Complementary Options

Cerberus PRO comprises various control panels, a broad range of fire and carbon monoxide detectors, peripheral devices and accessories. They

are powered and communicate via the C-NET. The range includes linear smoke detectors, aspirating smoke detectors as well as those for EX explosion-protected zones.

Uniform hardware throughout the product range eases initial planning and also later expansion, even for campus-wide networks. Floor repeater terminals are loop-powered directly on the C-NET, saving planning, cabling and installation costs (the system's 'distributed' intelligence enabling the use of unshielded cables). The FT2010 and FT2011 terminals also remain functional even in the case of an open or short circuit.

The backbone of the Cerberus PRO systems is an EN 54-approved industrial LAN network that can be readily integrated into an existing IT network and allows networking of up to 64 panels. Auto-configuration enables immediate fire protection, even during a building's construction. Enhanced remote operating functions are available for system diagnosis and monitoring, reducing on-site visits once the system is operational.

► CONTACT

Siemens Switzerland Limited, Zug, Switzerland
Tel.: +41 41 724 2424 · Fax: +41 41 723 5093
www.siemens.com



GAS DETECTION

Good Choice

Honeywell's Latest Portable Gas Detector –
Designed to Deliver Low-cost, Multi-gas Solutions
with One-button Simplicity

Honeywell's "GasAlertMicroClip XT" is the latest member of the GasAlert family of portable gas detectors from BW Technologies by Honeywell, offering a combination of affordability and ease of use to enhance on-site safety.

Features of GasAlertMicroClip XT include IntelliFlash, which provides a visual indication of current operation to both the user and supervisor, and "force bump test" and "force calibration" functionality, to help to ensure that GasAlertMicroClip XT is always fully maintained and ready to detect gas.

GasAlertMicroClip XT also features a simplified and tamper-proof single button operation and an intuitive interface to reduce training time. It's slim and compact design also means that GasAlertMicroClip XT is as easy and comfortable to wear as it is to use.

Benefits of Using GasAlertMicroClip XT

- Multi-gas detection of H₂S, CO, Oxygen and combustibles; this provides you with a robust monitoring solution designed to meet the



challenges of a wide range of industrial applications including confined space entry.

- IntelliFlash visual verification of compliance to on-site portable maintenance; this gives you peace of mind by ensuring that devices on-site are properly maintained and helps to enhance your on-site safety.
- Functionality combined with affordability; you get a solution that not only offers excellent value for money but the device also provides additional functionality; this includes continuous LCD real-time gas concentrations, visual, audible and vibration alarms, force bump test/force calibration and auto Oxygen sensor calibration on start up.
- GasAlertMicroClip XT is compatible with MicroDock II from BW Technologies by Honeywell providing a quick and simple solution to portable bump testing. This, combined with the device's IntelliFlash visual indicator for device compliance, makes it easier for you to properly maintain devices with minimal downtime and maximum ease of use.
- Slim, light weight design with IP66/67; this provides you with a comfortable solution that is non-intrusive and capable of meeting the demands of challenging environments such as confined spaces.

▶ CONTACT

BW Technologies by Honeywell, United Kingdom
Tel.: +44 1295 700 300
gemma.bayless@honeywell.com
www.gasmonitors.com

Protecting Lives and Property Worldwide ...for a Lifetime



Our products save lives and protect property around the globe from the risk of fire; a huge responsibility and one we take very seriously.

Our Product Lifetime Guarantee provides a warranty on our products, which for detectors is 10 years (CO detectors, 5 years).

The guarantee supports our recommended working life of the product and further endorses our commitment to our customers in providing them with reliable, quality fire detection products.

www.apollo-fire.co.uk



apollo
WORLD CLASS FIRE SOLUTIONS

The product lifetime guarantee is subject to terms and conditions. For further information, please refer to our current General Conditions of Sale. 'Lifetime' refers to Apollo's recommended working life for its products, being 10 years (5 years for CO detectors).

ONLINE SURVEY

Network Video Surveillance Systems

GIT-SECURITY.com Starts a Sanyo Sponsored Online Survey in September

The video surveillance division of Sanyo is interested in your opinion and experience of Video over IP systems and invites you to take just a minute or two to answer the questions in an easy to complete online survey form at www.GIT-SECURITY.com. The survey will run from September 15 to October 31 2011.

New Business Opportunities

A network based video surveillance system has the potential to offer substantial advantages compared to traditionally installed analogue based systems. Do you know what they are? Have you already profited from being involved in Video over IP systems? Do you have the required level of knowledge and have you had support from camera manufacturers such as Sanyo, who are enjoying spectacular success with their Full HD cameras?

Video over IP provides installers and system integrators with the opportunity to create new revenue streams whilst delivering value added services to end-users. In a tough economic environment, any product or service which can help build on relationships with existing clients and open doors to new business, must be a welcome addition to any installer's portfolio.

The online survey will help us to understand the needs of installers, system integrators, consultants and end-users. We invite you to fill in the survey on <http://gitsecurity.questionpro.com/> starting from September 15 and to be part of a price draw.



▶ CONTACT

Sanyo Europe Ltd., Watford, United Kingdom
Tel.: +44 1923 477 220 · Fax: +44 1923 477 225 ·
cctv@sanyo.co.uk · www.sanyo.co.uk

Wiley Handbook of Science and Technology for Homeland Security

The Wiley Handbook of Science and Technology for Homeland Security is an essential and timely collection of resources designed to support the effective communication of homeland security research across all disciplines and institutional boundaries. Truly a unique work this four-volume set focuses on the science behind safety, security, and recovery from both man-made and natural disasters has a broad scope and international focus.



Edited by **John G. Voeller**

4-volume print set

ISBN: 978-0-471-76130-3

2,888 pages | 2010

Online ISBN: 978-0-470-08792-3

2010

www.wiley.com

 **WILEY**



BUYERS GUIDE

SAFETY AND SECURITY

EVENTS

LEAD GENERATION

TOP-STORIES

NETWORKING

ONLINE-ARCHIVE

INDUSTRY NEWS

WEBINARS

GIT-SECURITY.com

WHITEPAPER

RSS FEED

JOBS

PRODUCTS INFORMATION

WEBCASTS

www.GIT-SECURITY.com



Security Screening Services for 32 Airports

Securitas division for airport security services was selected by the Canadian Air Transport Security Authority (CATSA) to provide passenger and baggage security screening services at 32 airports in the Eastern Region of Canada. This includes designated airports in the Canadian provinces of Quebec, New Brunswick, Nova Scotia, Prince Edward Island, Newfoundland and Labrador. Total value of the agreement is approximately MCAD 481 (MSEK 3,130) over a five and a half year period effective as of November 1, 2011, making it the Company's single largest customer contract. CATSA has an option to extend the agreements for up to an additional five years. gisela.lindstrand@securitas.com

Detailed Images

Pelco by Schneider Electric introduced its „Surevision“: It combines Wide Dynamic Range (WDR), low-light and anti-bloom capabilities into one highly intelligent technology. The result is a camera that is easy-to-install and use. It is automatically adjusting to deliver detailed images even under challenging lighting conditions. „The idea that the more pixels you have the better the image quality is no longer true,“ says Scott Paul, Pelco by Schneider Electric Senior Product Marketing Manager. “It's not the number of pixels that matters, it is the quality of the image. Video security cameras can overcome some lighting challenges, but when one scene contains bright, shaded and intensely lighted areas all together, image quality suffers. That's why this technology – exclusive to Pelco by Schneider Electric – is an absolute game-changer when it comes to imaging science.” www.pelco.com

Thermal Imaging

Pelco by Schneider Electric announced that its Sarix TI thermal imaging camera systems are showing at this year's ASIS show and will be available Fall 2011. Built on the Sarix platform, with built-in analytics and IP capability, the thermal imaging series is available in both fixed and pan/tilt models. “The concept of Thermal Imaging in security is not new,“ says Dave Stanfield, Pelco by Schneider Electric Senior Product Marketing Manager. “However, Sarix TI, by combining the best in networked video technology with the latest in thermal imaging science, has resulted in a total product family that is resonating with security professionals everywhere based upon its ease of integration, advanced image quality, and range of resolutions, lenses and price points.” www.pelco.com

Long-term Recording and Storage

Geutebrück is offering three new Geviraid units for the reliable long-term recording and storage of large volumes of data in video security systems. The models, 104-iSCSI, 208-iSCSI and 316-iSCSI respectively, take up to 4, 8 or 16 SATA hard disks and require 1, 2 or 3 rack units. These iSCSI to Sata systems combine rugged and reliable mechanical construction with state-of-the-art storage technology and the latest failure prevention measures. Features including the latest internal controller architecture, Raid level-6, and the automatic monitoring of hard disks, fans, PSUs and temperature ensure functionality and reliability for digital video storage and management systems. info@geutebrueck.com



Live Scanner with FBI Certification

Suprema launches the Realscan-G10 ten-print live scanner, which offers improved image quality and cost advantage over its predecessor, Realscan-10. The device also tested in full compliance and received certification from the Federal Bureau of Investigation (FBI) for the agency's Integrated Automated Fingerprint Identification System (IAFIS) Image Quality Specification (IQS) Appendix F standards. FBI IQS standards for live-scanning systems are mandatory for the purpose of FBI and most countries' government procurements. The device is designed to perform high-speed image capturing for four-finger slaps, single finger rolls and flats and features IP54 rated rugged structure to perform under harsh environments. ysmoon@supremainc.com

Aircraft Video Systems

AD Aerospace, part of AD Group, has exhibited its aircraft video systems for safety and security at the MAKS 2011 exhibition in Moscow alongside United Interiors International - its agents for Russia, the CIS and Baltic States. „This region is extremely important for AD Aerospace, airlines here take the safety of their passengers and crew very seriously so are very open to the use of video systems to increase on board security“, said Mike Horne, Managing Director AD Aerospace. „The region is also growing very strongly with a resurgent aircraft manufacturing sector and a large number of young dynamic airlines“. rdavies@ad-aero.com

26-Port Managed Ethernet Switch

Comnet Europe has expanded its Value-line by introducing a cost-effective 26-port modular Gigabit Ethernet switch for commercial security applications. The CWGE2FE24MODMS is another modular managed Ethernet switch that provides a high port count with great flexibility in copper and fiber optic media type. It is essentially a user-configurable chassis that accommodates three 8-port 100FX or 100TX modules to be accommodated. It features two 100FX or TX uplink ports for connecting to the network core. The modules are available with either eight electrical ports that support 10/100TX transmission, or eight user-selectable SFP ports that support 100FX transmission. This cost-effective solution is designed for operation in environments typical encountered in commercial security. info-sales@comnet.net



IP Camera Series

Geutebrück presents a range of network cameras for license-free integration into its video security systems. The 'Top Line' series of progressive scan cameras includes eight box cameras and a fixed dome camera with resolutions ranging from 720p through full HD to 2 Megapixels and frame rates of up to 30 fps. There are different sensor types (CCD and CMOS), as well as standard color and true day/night options with automatic IR cut filters. Among the compression algorithms supported by Top Line cameras is the specialist CCTV format H264CCTV. This plays back fluid motion video at any speed, forwards or backwards, even frame by frame without the usual gaps or jumps produced by most other H264 implementations. For easy installation, TopLine cameras can be powered either from a local supply or centrally by PoE. Commenting on these new products, Frank Brandtner, Geutebrück's product marketing manager says: “As the name suggests our new Top Line range are all high specification cameras designed for top performance and seamless integration in our systems. There are types and resolutions for all kinds of application and they all provide brilliant crystal-clear pictures. In addition, our advanced compression format H264CCTV, which is specially optimized for security users, guarantees professional video surveillance with completely air-tight event recording.” info@geutebrueck.com



ABS Safety	22	GANTNER Electronic	20	Nürnberg Messe	7
ABUS Security- Center	46, 48	Genetec	35, 57	Omron Electronics	15
AD Group	68	Geutebrück	7, 8, 12, 19, 28, 47, 49, 52, 68	Panasonic	57
Ansell Healthcare Europe NV	22	Gretsch Unitas	16	PCS	60
Apollo Fire Detectors	16, 62, 65	Gunnebo	8	Pelco by Schneider Electric	68
Arecont Vision	9, 10, 40, 47	Gunnebo Perimeter Protection	12, 20	Pilz	14
asecos	22	HeiTel Digital Video	12, 46	Pivot3	34
Atlas	22	Hekatron	16	Plum	23
Avigilon	18, 57	Hochiki Europe	8	Plustek Technology	49
Axis Communications	18, 58	Honeywell Analytics	62, 64	Raytec	19
AxxonSoft	18, 25, 50	Honeywell Security	42	REINER	21
Basler	6, 18, 36, 47	Honeywell Security Group Novar	20	RKI Analytical Instruments	23
Bihl & Wiedemann	15	Honeywell Security UK	7, 37, 48	Safran Group	12
Bosch Security Systems 21	17, 18, 20, 47, 54, Inside Front Cover	IBF	15	Salto Systems	6
Briefcam	6	Idesco	46	Samsung	19, 41, Inside Back Cover
BSIA British Security Industry Association	6	IEVO	6	Sanyo	66
CBC Europe	8, 10, 19	IndigoVision	47	Schraner	17
CEM Systems	8, 10, 46	Interflex	20	Securitas	7, 11, 68
ComNet	6, 68	Intersil	48	Secusmart	32
Dallmeier electronic	19, 48, 49, 49	IQinVision	57	SeeTec	61
deister electronic	3, 46	Jewel Saffire	62	SICK	14, 21, 29
detectomat	16	JVC	10	Sicura Systems	6
Dräger Safety	22	Kaba	8	Sicurit Alarmitalia Spa	55
E. Dold & Söhne	14	KB Videosystems	48	Siemens Building Technologies	8, 15, 63, Outside Back Cover
EADS Defence & Security	11	Kidde	17, 62	SimonsVoss Technologies	5, 21
Ecom Instruments	23	Leuze electronic	14	steute	15
ELTEN	23	March Networks	10	Suprema	68
Epoc Messe Frankfurt	53	Milestone Systems	30, Front Cover	UTC Fire & Security	56
EUCHNER	14	Minimax	17	Vabeg Eventsafety	17
EVAC+CHAIR	11	Mintron	51	Verint Systems	10
EverFocus Electronics	11, 19, 46	Mobotix	7, 49	Wiley	12
eyevis	24, 39	Morpho	12	Winkhaus	21
FLIR Commercial Vision Systems	44, 59	Morpho Detection	38	Zenitel	26, 43
Fuho Technology	57	NEDAP Security Management	8, 11, 21	Zweibrüder Optoelectronics	23
Fujinon / Fujifilm	6	Norbain	12		
		Novar a Honeywell Company	16, 62		

IMPRINT

Published by

GIT VERLAG
 Wiley-VCH Verlag GmbH & Co. KGaA
 A Company of John Wiley & Sons, Inc
 Roesslerstrasse 90
 64293 Darmstadt · GERMANY
 Tel: +49 (0) 6151 8090 0
 Fax: +49 (0) 6151 8090 144
 info@gitverlag.com · www.gitverlag.com

Geschäftsführer

- Christopher J. Dicks
- Bijan Ghawami

Publishing Directors

- Dr. Heiko Baumgartner
 Tel.: +49 (0) 61 51/80 90 137
 heiko.baumgartner@wiley.com

- Steffen Ebert

Tel.: +49 (0) 61 51/80 90 130
 steffen.ebert@wiley.com

Sales Managers

- Regina Berg-Jauernig
 Tel.: +49 (0) 61 51 /80 90 149
 regina.berg-jauernig@wiley.com
- Katina Leondaris
 Tel.: +49 (0) 61 51 /80 90 107
 katina.leondaris@wiley.com
- Dr. Michael Leising
 Tel.: +49 (0) 36 03/89 31 12
- Manfred Höring
 Tel.: +49 (0)61 59/50 55

Editorial

- Matthias Erler
 Tel: +49 (0) 6723/9 94 99 82
 matthias.erler@wiley.com

Editorial Assistant

- Nina Esser
 Tel.: +49 (0) 61 51/80 90 214
 nina.esser@wiley.com

Production

- Christiane Potthast
- Andi Kettenbach (Layout)
- Claudia Vogel (Sales Administrator)

European Representatives

- Dave Harvett, Direct Media
 Tel: +44 (0) 121 705 2120
 daveharvett@btconnect.com
- Oliver Haines, Impressive Marketing
 Tel: +44 (0) 1743 369611
 impressive.marketing@virgin.net

Bank Account

Commerzbank AG Darmstadt, Germany
 Account No. 01.715.501 00
 Routing No. 508 800 50

GIT SECURITY is published 6 times per year.

Subscription 2011

6 issues 72.00 €, single copy 14.50 € plus postage. Pupils and Students receive a discount of 50 % at sight of a valid certificate. Subscription orders valid until cancelled, notices 6 weeks before end of the year. Subscription orders can be revoked within 1 week in writing. Dispatch complaints are possible only within 4 weeks after publishing date.

The publishing house is granted the exclusive right, with regard to space, time and content to use the works/ editorial contributions in unchanged or edited form for any and all purposes any number of times itself, or to transfer the rights for the use of other organizations in which it holds partnership interests, as well as to third parties. This right of use relates to print as well as electronic media, including the Internet, as well as databases/data carriers of any kind.

All names, symbols etc. mentioned and/or printed in this issue may be registered trademarks of their respective owners.

Printrun: 20,000

Cover Page Layout

Elli Palzer · elke.palzer@wiley.com

Printed by

pva Druck und Mediendienstleistungen GmbH
 D-76829 Landau/Pfalz

Printed in Germany
 ISSN 2190-4367



Security Management

advancis
SOFTWARE & SERVICES

Advancis Software & Services GmbH
Monzastraße 2 · D-63225 Langen
Tel.: +49 (6103) 80735-0 · Fax: +49 (6103) 80735-11
info@advancis.de · www.advancis.de
WinGuard – Integral system for security and building management, control and visualization, alarm management, video management, communication

Alarm Management

DAITEM

ATRAL-SECAL GmbH
Service Daitem
Thaddenstr. 4 · D-69469 Weinheim
Tel. +49(0)6201/6005-0 · Fax +49(0)6201/6005-15
info@daitem.de · www.daitem.de
Radio-controlled burglary alarm systems, radio-controlled fire warning devices, distribution via security suppliers

Facility Security

DICTATOR

Dictator Technik GmbH
Gutenbergstr. 9 · 86356 Neusäß
Tel. +49(0)821/24673-0 · Fax +49(0)821/24673-90
info@dictator.de · www.dictator.de
Drive units, hold open systems and smoke detectors, door control solutions

Security Management

AZS
SYSTEM AG

AZS System AG
Mühlendamm 84 a · 22087 Hamburg
Tel. +49 (0) 40/226611 · Fax +49 (0) 40/2276753
www.azs.de · info@azs.de
Hardware and software solutions for biometrics, locking systems, video control systems, time management systems, access control systems, escape route safety systems, barrier systems, isolation systems, OPC Server

Be Part of the Section

GIT BUSINESSPARTNER
The Purchasing Section for direct contact

Just send a mail to
heiko.baumgartner@wiley.com

We will be glad to advise you!

Facility Security

GEZE

GEZE GmbH
Reinhold-Vöster-Str. 21-29 · D-71229 Leonberg
Tel. +49(0)7152/203-0 · Fax +49(0)7152/203-310
vertrieb.services.de@geze.com · www.geze.com
Automatic door systems, security systems, security locks

Security Management

LevelOne is a trademark of Digital Data Group

level one

Digital Data Communications GmbH
Zeche-Norm-Straße 25 · D-44319 Dortmund
Tel. +49 (0) 231-9075-222 · Fax +49 (0) 231-9075-184
sales@level-one.de · www.level-one.de
LevelOne provides full service – even when it comes to security: A broad range of high quality IP-products, combined with expertise in projects, assure reliable security solutions in all dimensions.

Alarm Management

DIGISOUND

Digisound Electronic GmbH
Oststraße 54 · 22844 Norderstedt
Tel. +49(0)40/526869-0 · Fax +49(0)40/526869-13
info@digisound.de · www.digisound.de
Acoustic buzzers, piezo-electric sounders, electronic beacons, speakers, and transducers

Facility Security

Simons Voss
technologies

SimonsVoss Technologies AG
Feringastr. 4 · D-85774 Unterföhring
Tel. +49(0)89/99228-180 · Fax +49(0)89/99228-222
marketing@simons-voss.de · www.simons-voss.de
Digital locking and organisation systems with optional access control and time recording

Security Management

funkwerk
plettac

Funkwerk plettac electronic GmbH
Würzburger Straße 150 · D-90766 Fürth
Tel. 0911/75884-0 · Fax 0911/75884-220
info@plettac-electronics.de
www.cctv-systeme.com
CCTV, system solution, system integration, video monitoring security, building management

Alarm Management

TAS

TAS Telefonbau
A. Schwabe GmbH & Co. KG
Langmaar 25
D-41238 Mönchengladbach
Tel. +49 (0) 2166 858 0 · Fax: +49 (0) 2166 858 150
info@tas.de · www.tas.de
Manufacture and development of: alarm and conference units, VoIP- or ISDN emergency technology, alarm transmission systems



Security Management

SCHILLE

Schille Informationssysteme GmbH
Goseriede 4 · D-30159 Hannover
Tel. +49(0)511/542244-0 · Fax +49(0)511/542244-22
info@schille.com · www.schille.com
Facility and building management and security technology, fault and hazard management systems, OPC development, video surveillance systems

Alarm Management

tetronik

tetronik GmbH
Angewandte Elektronik und Nachrichtentechnik
Silberbachstr. 10 · D-65232 Taunusstein
Tel. +49-6128-963-1 · Fax +49-6128-963-499
info@tetronik.com · www.tetronik.com
broadcasts and alarms, telephone conferences, personal security measures with location tracking and visualisation, one number services and group calls, announcement and open listening services, telephony access services for host systems

Video Technology

ABUS Security-Center

ABUS Security-Center GmbH & Co. KG
Linker Kreuthweg 5, D-86444 Affing
Tel. +49 (0) 8207 / 9 59 90 - 333
Fax +49 (0) 8207 / 9 59 90 - 100
info.de@abus-sc.com · www.abus-sc.com
ABUS Security-Center is one of the leading manufacturers of electronic security technology. As a full-line supplier, ABUS Security-Center consistently markets an international range of products and services for the market segments of intrusion detection and video surveillance.

BUSINESSPARTNER on the Web: www.pro-4-pro.com/sicherheit

aimetis

Aimetis GmbH
Am Prime Parc 7 · D-65479 Raunheim
Tel. +49 (0) 6142 20798 60 · Fax +49 (0) 6142 20798 89
info@aimetis.com · www.aimetis.com
Aimetis Symphony™ is award-winning intelligent video surveillance software that offers a single, innovative, open IP video platform for video management, video analytics, system integration and alarm management.

DEKOM
VISIONS AND SOLUTIONS

DEKOM Video Security & Network GmbH
Hoheluftchaussee 108 · D-20253 Hamburg
Tel. +49(0)40/4711213-0 · Fax +49(0)40/4711213-33
info@dekom-security.de · www.dekom-security.de
www.divicro.de – Offices in Munich, Stuttgart, Cologne, Erkelenz, Bremen, Magdeburg and Berlin.
Your reliable partner and provider of professional network video products and complete system solutions.

HeiTel
DIGITALVIDEO

HeiTel Digital Video GmbH
Stuthagen 25 · D-24113 Molfsee/Kiel (Germany)
Tel. +49(0)4347/903-0 · Fax +49(0)4347/903-400
info@heitel.com · www.heitel.com
Digital Video Transmission and Recording,
Video Management, Monitoring Station Integration

AXIS
COMMUNICATIONS

Axis Communications GmbH
Lilienthalstraße 25 · D-85399 Hallbergmoos
Tel. +49 (0)811 55508-0 · Fax +49 (0)811 55508-69
info-de@axis.com · www.axis.com
Network video equipment – the AXIS IP-Surveillance allows remote access video management

DYNACOLOR
always watching

DynaColor, INC
NO.116, Jou Tz Street, Neihu, Taipei 114, Taiwan
Tel: +886-2-2659-8898 · Fax: +886-2-2659-8868
info@dynacolor.com.tw · www.dynacolor.com.tw
Manufacturer of IP surveillance and HD-SDI / CCTV products.

logiware

logiware gmbh
Alfred-Mozer-Str. 51 · D-48527 Nordhorn
Tel. 05921/7139920 · Fax 05921/7139929
info@logiware.de · www.go1984.de
Software, video transmission systems, security, video, video surveillance systems, digital video surveillance, networking

bwa
endless video coverage

BWA Technology GmbH
Johann-Krane-Weg 21 · D-48149 Münster
Tel.: +49(0)251/289199-0 · Fax: +49(0)251/289199-29
info@bwatech.com · www.mybwa.com
CCTV robots and portable MPEG4/H.264 DRVs

eneo

Eneo is a registered trade mark of VIDEOR E. Hartig GmbH, Rödermark. Distribution via authorized dealers and installers.
info@eneo-security.com · www.eneo-security.com
Products and solutions for video security applications

milestone

Milestone Systems Germany
Harald Zander, Country Manager
c/o Ecos Office Center
Gustav-Stresemann-Ring 1
65185 Wiesbaden
Office: +49 (0) 611 168 5597
Mobile: +49 (0) 176 62479674
www.milestonesys.de
Milestone is the world's leading provider of open platform IP video surveillance software. Milestone's XProtect® software is a powerful surveillance solution that is easy to manage and supports the widest choice in network hardware and integrations with other business systems.

CBC GROUP
CBC (DEUTSCHLAND) GmbH

CBC (Deutschland) GmbH
Hansaallee 191 · D-40549 Düsseldorf
Tel. +49(0)211/530670 · Fax +49(0)211/53067180
info@cbc-de.com · www.cbc-de.com
Video monitoring components – e.g. cameras, lenses, screens, monitoring technologies, DVR, NVR.

Everfocus Electronics GmbH

Everfocus Electronics GmbH
Albert-Einstein-Str. 1 · 46446 Emmerich
Tel. +49(0)2822/9394-0 · Fax +49(0)2822/9394-95
info@everfocus.de · www.everfocus.de
Digital video technology, video remote surveillance, video surveillance

MINTRON

MINTRON ENTERPRISE CO. LTD.
No. 123, Wu-Kung 1 Rd., Wu-Ku Industrial Park, Taipei 248, Taiwan
Tel. +886 2 22990277 · Fax +886 2 22989375
service@mintron.com.tw · www.mintron.com
Skype: mintron3601
Manufacturer of extensive range CCD cameras and board type cameras. OEM & ODM projects are welcomed.

Convision

Convision Systems GmbH
Gablonzstraße 9 · D-38114 Braunschweig
Tel. +49(0)531/26450 - 0 · Fax +49(0)531/26450-10
info@convision.com · www.convision.com
Video Surveillance Solution Partner
IP video server for remote video transmission
CCTV Cameras, IP Cameras up to HDTV resolution
Video management software

eyevis
PERFECT VISUAL SOLUTIONS

eyevis GmbH
Hundschleestr. 23 · D-72766 Reutlingen
Tel. +49(0)7121/43303-0 · Fax +49(0)7121/43303-22
info@eyevis.de · www.eyevis.de
Large surface displays of security information in control rooms

MOBOTIX
Security-Vision-Systems

MOBOTIX AG
Security-Vision-Systems
Kaiserstrasse · D-67722 Langmeil
Tel. +49 (0) 6302/9816-0 · Fax +49 (0) 6302/9816-190
info@mobotix.com · www.mobotix.com
HiRes Video Solutions – high resolution, digital & cost effective recording

Dallmeier

Dallmeier electronic GmbH & Co. KG
Cranachweg 1 · 93051 Regensburg
Tel. +49(0)941/8700-0 · Fax +49(0)941/8700-180
info@dallmeier.com · www.dallmeier.com
Video: digital storage systems, image transmission, available through specialized retailers

Genetec

Genetec
2280 Alfred-Nobel Blvd
Suite 400, Montreal, Quebec H4S 2A4, Canada
Tel.: +1/514 332-4000 · Fax: +1/514 332-1692
info@genetec.com · www.genetec.com
License Plate Recognition, IP Security Solutions for Video Surveillance, and Access Control

MONACOR INTERNATIONAL

MONACOR INTERNATIONAL
Zum Falsch 36 · 28307 Bremen
Tel. +49(0)421/4865-0 · Fax +49(0)421/488415
info@monacor.de · www.monacor.com
Video monitoring components and systems

Video Technology

opto-system-technik
Video-Vertriebsgesellschaft mbH
Planiger Straße 34 · D-55545 Bad Kreuznach
Tel. +49(0)671/4830-10 · Fax +49(0)671/4830-11
info@opto-system-technik.de
www.opto-system-technik.de
Distributor of SONY, SANYO, Pelco,
Dedicated Micros and EverFocus

Video Technology

VICON

VICON Deutschland GmbH
Kornstieg 3 · D-24537 Neumünster
Phone: +49(0)4321/879-0 · Fax +49(0)4321/879-97
info@vicon-cctv.de · www.vicon-cctv.de
VICON as one of the world's leading independent manufacturers of CCTV equipment, offers a complete portfolio of the most advanced video management products.

Time + Access

Video Technology

PENTAX

PENTAX Imaging Systems GmbH
Security Systems Division
Julius-Vosseler-Str. 104 · D-22527 Hamburg
Tel. +49(0)40/561 92-109 · Fax +49(0)40/561 92-334
ssd@pentax.de · www.pentax.de
CCTV lenses for video surveillance, image processing, accessories for CCTV lenses

Video Technology

VIDEOR

VIDEOR E. Hartig GmbH
Carl-Zeiss-Str. 8 · 63322 Rödermark/Germany
Tel. +49(0)6074/888-300 · Fax +49(0)6074/888-100
security@videor.com · www.videor.com
Distribution of complete product ranges for video security and video networking

Time + Access

cichon+STOLBERG
cryptin

Cichon+Stolberg GmbH
Wankelstraße 47-49, 50996 Köln
Tel. +49(0)2236/397-200 · Fax +49(0)2236/61144
info@cryptin.de · www.cryptin.de
Operational data collection, time recording, access control

Video Technology

PIEPER
Partner für bessere Technik

PIEPER GMGH
Binnerheide 8 · D-58239 Schwerte
Tel. +49(0)2304/4701-56 · Fax +49(0)2304/4701-77
info@pieper-video.de · www.pieper-video.de
System suppliers of general and industrial video technology, focussing on the security and surveillance sectors, as well as quality control and process control applications.

Be Part of the Section

GIT BUSINESSPARTNER
The Purchasing Section for direct contact

Just send a mail to
heiko.baumgartner@wiley.com

We will be glad to advise you!

Time + Access

deister electronic
The RFID Company

deister electronic GmbH
Hermann-Bahlsen-Str. 11
D-30890 Barsinghausen
Tel. +49(0)5105/516-01 · Fax +49(0)5105/516-217
info@deister-gmbh.de · www.deister.com
access control; vehicle identification; biometric verification; guard tour systems; storing and management of keys and valuables

Video Technology

SAMSUNG

Samsung Europe
Hillswood Drive 1000
Chertsey, Surrey KT16 0PS
United Kingdom
Tel.: +44 1932 455308
steseurity@samsung.com · www.samsungsecurity.com
Samsung is one of the fastest growing professional security brands in Europe and provides a complete range of security solutions that are suitable for a wide range of applications.

Video Technology

VTQ
VIDEOTRONIK QUERFURT

VTQ Videotronik GmbH
Grüne Straße 2 · D-06268 Querfurt
Tel. +49 (0) 34771-5 10 · Fax +49 (0) 34771-2 20 44
main@vtq.de · www.vtq.de
systems for digital and analogue wireless video, audio and data transmission, COFDM modulation, MPEG2 compression, directional radio systems, Diversity systems

Zeit + Zutritt

DigiMem

DigiMem Deutschland Ltd & Co KG
Büro Wiesbaden: Didierstraße 7 · D-65203 Wiesbaden
Tel: +49 (0)611 710 9949 · Fax: +49 (0)611 710 9952
david@digimem.eu · www.digimem.eu
Digimem is the appointed agency of Datakey Electronics (USA) and provides full bi-lingual sales and service support for German, Swiss and Austrian customers. Supply of Datakey Keys and Tokens, accessories and periphery to OEMs. Support with the integration of these components into an application to ensure a turnkey system.

Video Technology

SANTEC
VIDEO TECHNOLOGIES

Sanyo Video Vertrieb AG
An der Strusbek 31 · 22926 Ahrensburg · Germany
Tel. +49 4102 4798 0 · Fax +49 4102 4798 10
info@santec-video.com · www.santec-video.com
Video monitoring technology · Video-over-IP
Outdoor IR sensors · Planning and Services

Biometrics

Time + Access

FEIG
ELECTRONIC

FEIG ELECTRONIC GMBH
Lange Straße 4 · 35781 Weilburg
Tel. +49(0)6471/3109-44 · Fax +49(0)6471/3109-99
obid@feig.de · www.feig.de
Electronic locking systems, identification, access control, access road control

Video Technology

via:sys

viasys Intelligent Video GmbH
Koselstraße 20, D-60318 Frankfurt am Main
Tel. +49 (0)69/7191 388 – 0
Fax +49 (0)69/7191 388 – 66
jourdan@viasys-iv.com · www.viasys-iv.com
Intelligent video sensors (3D, direction, sensitivity), reliable alarms, especially outdoors, connection to Alert Centre

Biometrics

IDENT TECHNOLOGIES
Biometrische Identifikations-Systeme

Ident Technologies GmbH
Rudower Chaussee 29 · D-12489 Berlin
Tel. +49(0)30/63922568 · Fax +49(0)30/63922569
info@identtechnologies.de · www.identtechnologies.de
We create biometric Systems, to make our life easier – the fingerprint will be our key.

Time + Access

Gantner
technologies

Gantner Electronic GmbH
Montafonerstraße 8 · A-6780 Schruns
Tel. +43 5556 73784-542 · Fax +43 5556 73784-8000
info@gantner.com · www.gantner.com
access control solutions/biometrics, time management, data capture, locking systems

Time + Access



ISGUS
UNTERNEHMENSGRUPPE

ISGUS GmbH
Oberdorferstr. 18-22
78054 Villingen-Schwenningen
Tel. +49(0)7720/393-0 · +49(0)7720/393-184
info@isgus.de · www.isgus.de
Operational data capture, personnel scheduling,
time management, access control

Fire Protection




Fire Protection



Kidde
A UTC Fire & Security Company

Kidde Brand- und Explosionsschutz GmbH
Harkortstraße 3 · 40880 Ratingen
Tel. +49(0)2102/5790-0 · Fax +49(0)2102/5790-109
info@kidde.de · www.kidde.de
Fire detection and extinguishing technology ·
high sensitive smoke detection · fire protection
systems for server cabinets and IT rooms ·
explosion suppression systems · Explosion venting

Time + Access



LEGIC
innovation in ID technology


LEGIC Identystems Ltd
Binzackerstrasse 41 · CH-8620 Wetzikon
Switzerland
Phone +41 44 933 64 64 · Fax +41 44 933 64 65
www.legic.com · info@legic.com
Designer and manufacturer of 13.56 MHz
contactless smart card technology (read/write chip
sets, security modules and transponder chips)

Fire Protection



C-TEC (Compuionics Limited)
Stephens Way, Wigan, WN3 6PH United Kingdom
Tel. +44(0)1942/403810 · Fax +44(0)1942/829867
sales@c-tec.co.uk · www.c-tec.co.uk
Fire Panels, Fire Alarm Accessories, Voice Alarm
Systems, Fire Telephone Systems, Call Systems,
Power Supplies

Fire Protection



NOTIFIER
by Honeywell

Notifier Sicherheitssysteme GmbH
Berliner Str. 91 · D-40880 Ratingen
Tel. +49(0)2102/70069-0 · Fax +49(0)2102/70069-44
info@notifier.de · www.notifier.de
fire alarm systems, early fire detection

Time + Access



pcs


PCS Systemtechnik GmbH
Pfälzer-Wald-Straße 36 · 81539 München
Tel. +49(0)89/68004-550 · Fax +49(0)89/68004-555
intus@pcs.com · www.pcs.com
time recording, access control, BDE/MDE, biometric,
video, SAP, Infor-Baan

Be Part of the Section



Just send a mail to
heiko.baumgartner@wiley.com
We will be glad to advise you!

Fire Protection



Teckentrup GmbH & Co.KG
Tel. +49 (0) 5246/504-0
Fax +49 (0) 5246/504-30
www.teckentrup.biz · info@teckentrup.biz
Fire protection doors and gates T30/T60/T90,
security doors (resistance class WK 1 – WK 4),
sound insulated doors (up to Rw 57 dB),
bullet-proofed doors, smoke-proof doors

Time + Access



phg
Die richtige Verbindung

phg Peter Hengstler GmbH + Co. KG
Dauchinger Str. 12 · D-78652 Deißlingen
Tel. +49(0)7420/89-0 · Fax +49(0)7420/89-59
datentechnik@phg.de · www.phg.de
RFID components for access control, timekeeping, factory
data collection, canteen data, leisure applications, surface-
mounted devices, flush-mounting components, biometrics,
identification media and accessories


Fire Protection



JOO
detectomat

detectomat GmbH
An der Strusbek 5 · D-22926 Ahrensburg
Tel. +49(0)4102/2114-60
Fax +49(0)4102/2114-670
info@detectomat.de · www.detectomat.de
Fire alarms, Fire warning systems, Fire protection,
security systems

Fire Protection



WAGNER

WAGNER Group GmbH
Schleswigstraße 1-5 · 30853 Langenhagen
Tel. +49(0)511/97383-0 · Fax +49(0)511/97383-140
info@wagner.de · www.wagner.de
Hamburg · Berlin · Leipzig · Hannover
Mülheim/R. · Frankfurt · Stuttgart · München
Fire alarm systems and extinguishing technology,
fire prevention, integral security

Time + Access



primion

primion Technology AG
Steinbeisstraße 2-4 · D-72510 Stetten a.K.M.
Tel. +49(0)7573/952-0 · Fax +49(0)7573/92034
info@primion.de · www.primion.de
Time management, access control and
management, staff deployment planning,
graphic alarm management, SAP communications
solutions, pass and ID card production, Biometrics

Fire Protection



ESSER
by Honeywell

Novar GmbH a Honeywell Company
Dieselstraße 2 · D-41469 Neuss
Tel. +49(0)2137/17-600 · Fax +49(0)2137/17-286
info@esser-systems.de · www.esser-systems.de
Fire alarm systems, security systems

Industrial Safety



Time + Access



wanzl
Zutrittskontrollen

Wanzl Metallwarenfabrik GmbH
Bubesheimer Str. 4 · 89340 Leipheim · Germany
Tel. +49(0)8221/729-6416
Fax +49(0)8221/729-90416
zutrittskontrollen@wanzl.de
www.wanzl-zutrittskontrollen.com
Personal guidance systems, barriers, security
turnstiles, electronic entrance systems

Fire Protection



HEKATRON
Ihr Partner für Brandschutz

Hekatron Vertriebs GmbH
Brühlmatten 9 · 79295 Sulzburg
Tel. +49(0)7634/500-0 · Fax +49(0)7634/6419
info@hekatron.de · www.hekatron.de
Fire alarm systems, Smoke switch systems,
Smoke alarms, Safety linkage systems

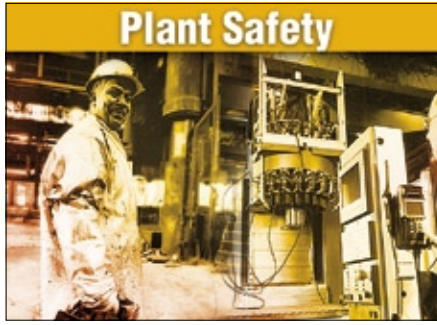
Industrial Safety



EVAC+CHAIR

Evac+Chair International Ltd
Tel +44 (0)121-706-6744
www.evacchair.co.uk · info@evacchair.co.uk

European Training Division
c/o ESE International BV, DG Veldhoven
Tel. +31 (0)402553700
Tel. +49 (0)6238 984 6810 (Germany)
info@ese-int.nl
Evac+Chair Training Solutions




Hazardous Goods



DÜPERTHAL[®]

DÜPERTHAL Sicherheitstechnik GmbH & Co. KG
Mainparkstr. 6-10 · 63801 Kleinostheim
Tel. 0 60 27 / 403-0 · Fax 0 60 27 / 403-121
info@dueperthal.com · www.dueperthal.com
Fire protection rooms, hazardous materials storage, safety cabinets, environmental safety, fire protection

Plant Safety



PEPPERL+FUCHS

Pepperl+Fuchs GmbH
Lilienthalstraße 200 · 68307 Mannheim
Tel. 0621/776-1111 · Fax 0621/776-27-1111
fa-info@de.pepperl-fuchs.com
www.pepperl-fuchs.com
Security sensors, inductive, capacitive, opto-electronic and ultrasonic sensors, vision sensors, identification systems, interface modules

Hazardous Goods



Köttermann
Systemlabor

Köttermann GmbH & Co KG
Industriestr. 2-10 · 31311 Uetze/Hänigsen
Tel. +49(0)5147/976-0 · Fax +49(0)5147/976-844
systemlabor@koettermann.de
www.koettermann.com
Hood equipment, laboratory furnishings, media connections (supply and disposal)

Dear Readers,
Who is Who in Security:
BUSINESSPARTNER is the purchasing section of qualified companies for direct contact. Under the supplier's logo you will find the company name, telephone number, fax, e-mail, web address and the core competence.

BUSINESSPARTNER on the internet:
www.PRO-4-PRO.com/security. There you will find all companies as well – with links to their websites. You belong to the most qualified suppliers as well and set great store by 20,000 opinion leaders reaching with each print issue?



CAPTURE.



RECORD.



DISPLAY.



CAPTURE.



iPOLiS
Network Solutions from Samsung

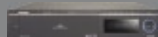
Full High Definition
Image Capture

**FULL
HD**

Intelligent
Video Analytics



Scalable
Recording



Remote Viewing
and Control



A Samsung HD Network Security Solution captures up to 5 times the detail of standard resolution systems. HD image capture up to 1080p, recording and display combine to provide a security system which delivers an incredibly high level of picture detail.

HD cameras and displays deliver a wide aspect 16:9 view of a scene and allow operators to pin-point specific areas of interest for closer inspection, without losing definition or suffering from pixilation. And by using HD recording this can be achieved on recorded footage with the same clarity.

With a host of cameras, a choice of hardware or software recording options, plus HD displays, you can develop a security solution perfectly suited to your business.

Samsung HD Network Security Solutions. Smarter Security.

T 01932 455 308
E STEssecurity@samsung.com
W samsungsecurity.com

Samsung Techwin Europe Ltd
1000 Hillwood Drive, Chertsey, Surrey, KT16 0PS, UK

SAMSUNG



Am I safe traveling home?

Through intelligent security solutions with Siveillance, we help make the world a safer place.

Today, half of the world's population lives in cities. On a global scale, there is a growing demand for reliable security solutions that keep people safe and secure. In addition, keeping critical infrastructure secure and operational, such as airports, subways and utilities is vital for businesses, governments and society. With our innovative and user-friendly Siveillance™ portfolio we help our customers achieve their desired level of security and peace of mind – providing them with intelligent solutions to protect people, goods and the environment worldwide. www.siemens.com/security-solutions

Answers for infrastructure.

SIEMENS