

DETEKTOR



International

Publisher's Comment

It will all be there in Essen

Technology in Application

**Seetec eases stress
in Parisian car parks**

Voice of the Security Market

**The end of dealing
with legacy security systems**

Security Technology Market

**Latin America sees
growth in surveillance market**

Business News

Assa Abloy acquires Enox India

The Interview

Per Björkdahl, Chairman of ONVIF

Security Expo Reviews

- Ifsec, London
- Secon, Seoul

**A glance at
Security Essen**

Dahua – a fast growing giant from China

**4K – the next big
trend in video surveillance**

New release for your
security with cutting edge

FACIAL RECOGNITION TECHNOLOGY

Embedded Facial Recognition System
Linux based | Multi Authentication | User Friendly Design
Flexible Interfaces and Data Management
Accurate and Fast Identification
Large User and Record Capacity
Reliable Performance | High Usability and Security

SY FACE210

SY FACE110



www.almogohr.co.il



360°-365 WORKFORCE MANAGEMENT

SyneL Head Office Tel: + 972-4-9596760 | + 972-4-9596777 | information@synel.com | www.synel.com
Synel USA Tel: + 1 480 374 7700 | sales@synel-usa.com | www.timeamerica.com | www.synel-usa.com
Synel UK Tel: + 44 208 900 9991 | sales@syneluk.com | www.synel.co.uk
Synel France Tel: + 33 1 6974 7580 | commercial@synel-france.com | www.synel-france.com
Synel Sweden Tel: + 46 8 5250 9350 | info@feroxkonsult.se | www.feroxkonsult.se



ISSN-1651-3800 published by **armedia**

Head office:

AR Media International AB
Västberga Allé 32 • S-126 30 Hägersten
SWEDEN
Tel: +46 8 556 306 80 • Fax: +46 8 19 10 11
E-mail: info@armedia.se
www.detektor.com
www.armedia.se

US Office

Tom Curry
Curry Marketing Services
296 Longview Lane
Kennett Square, PA 19348
USA
Office phone & cell: 484-639-7245
Office e-mail:
tom.curry@armediaint.com
tcurry@currymarketingservices.com
Home phone: 610-444-0418
Home e-mail: curryfab5@comcast.net

Asia Office

Asha Chang
AR Media International (Asian Branch)
20F, No. 12, Xinshi 1st Rd. Sec. 1,
Danshui Dist., New Taipei City 251,
Taiwan (Zip code: 251)
Office phone: +(886-2) 2622 1365,
+(886-2) 2622 1385
Office fax: +(886-2) 2622 1305
Mobile: +(886) 922 116272
Email: asha@armediaint.com
ashachang@gmail.com

General Information

- Detektor International is published quarterly.
- No part of this magazine may be reproduced without prior permission from the publisher.
- Detektor International welcomes manuscripts, news, releases and photographs, but cannot be held responsible for loss or damage incurred in transit or in possession.
- News releases can be sent to intnews@securityworldhotel.com

Subscriptions

Marika Thelenius
Rate for four issues is Euro 49

Publisher

Lennart Alexandrie

Editorial Team

Rachel Ward Owens

Advertisements

Carlos Cisternas

Printing

Hallvigs Reklam, Sweden, 2014



Lennart Alexandrie, Publisher

It will all be there in Essen

Open standards, integrated solutions and technology based services are all examples of the current trends in the security market. Products designed for ease of use are another prime example.

The impact from the IT and telecom industry is obvious. In many ways the security industry is about to become like any other industry. Apart from the actual security requirements, customer's demand for ROI and convenience will finally rule the security industry. It will certainly be obvious at the next Security Essen event from 23rd to 26th of September.

Open standards are winning ground, first of all in the video surveillance market. ONVIF was created by Axis, Sony and Bosch, all players within the IP-video market. The aim with ONVIF was to drive the market towards open standards in the video surveillance market. In a relatively short period of time ONVIF has now also taken on the task of driving the access control market towards open standards. This will be hard as it is probably the most proprietary security technology market segment. However, today's customers demand to be more independent, and not to be trapped with a technology system where the options to optimise the security solution are limited by the chosen manufacturers range of products. The market demands are moving towards tailor made solutions with opportunities to mix products of different brands in order to optimise the service and functions required. With the on going trend towards more integrated solutions and a business model based on Security as a Service (SaaS) this tendency will be even more obvious. IT-based manufacturers in the video surveillance industry have realised where and in which direction the market – including access control – is running. World leading IP-video players like Genetec and Axis are good examples of companies that understand that the access control market must be – technology wise – more open to gain a larger market share.

As IT increasingly has become a vital part of the security industry, usability and simple, smart solutions have gained traction. Usability, apps, remote access and simplicity; they are all associated. Usability means many things. It is about

thinking how and why people use a certain product. What are the user's goals? Ease of use also relies on feedback from the user, not only the expertise of the manufacturer. The electronic security business has traditionally been driven by the suppliers rather than the buyers. This is changing and the fact that ease of use often takes top priority is proof of this on going transformation.

At Security Essen smart simple solutions, where security applications connected to smart phones will be on display on many stands.

Access control will certainly be an issue, especially considering that Axis will release its unique IP-based door control on to the European market at the show. Milestone Systems will, once again, after ISC West in Las Vegas and Ifsec in Birmingham, show its Xprotect Access Control Module based on an open platform. Genetec will also show their access control solution. So why, then, are these companies so interested in the access control field? Well, the access control market is very much controlled by local companies, each protecting their own market based on proprietary technology. Multinational companies with this new open standards approach will open up the market with increased opportunities for interoperability and integration. This leads to a more customer oriented market and furthermore it widens the scope for a larger volume market for access control. At Security Essen it will also be interesting to see how far the development of integration based on NFC (Near Field Communication) functionalities has come.

What else to expect? Well, for sure 4K cameras will be an issue at the show. But what I hope to see more of at Security Essen is interesting cloud service solutions. At Ifsec in Birmingham I was surprised to see so few. In a time, where we are heading towards a service based market, rather than a product orientated approach, cloud solutions are necessary to create smart and cost effective solutions to offer to the end users. Let's hope that Security Essen will have exhibitors that can show interesting cloud based solutions, that can be used not only for Video-as-a-Service but also for handling services based on alarms, and access control to reflect the trend towards SaaS solutions.

See you in Essen.

- 3 Publishers' Comment.** It will all be there in Essen.
- 6 Technology in Application.** Seetec eases stress in Parisian car parks.
- 8 Voice of the Security Market.** The end of dealing with legacy security systems.
- 12 Security Technology Market.** Latin America sees growth in surveillance market.
- 14 Video Surveillance Trends.** "4K will be the next big trend in video surveillance."
- 16 Business News.** The latest commercial news from around the industry today.
- 23 Product News.** The latest product news and launches.
- 36 International Outlook.** Dahua – a fast growing giant from China.
- 38 The Interview.** Per Björkdahl, Chairman of ONVIF believes in access control.
- 40 Detektor International Award.** The nominees for the Detektor International Awards 2014.
- 42 Ifsec 2014.** Ifsec – a successful return to London.
- 46 Secon, Seoul.** South Korean two-in-one security event attracted 38,000 visitors.
- 48 Security Essen.** The global shop window for security products and solutions.
- 52 Security Events Calendar.** The international overview of scheduled security shows.
- 54 Security Buyers Guide.** The directory of important suppliers of security products & services.



Ifsec, London

After 22 years in Birmingham the Ifsec International security exhibition, organised by UBM Live, returned to London, where the event was held at the Excel London from 17th–19th June 2014.

Page 42



Security Essen

Security Essen has become Europe's most important fair for the security trade industry. This year's edition will be held on the 23rd to 26th of September at the Essen Messe exhibition grounds.

Page 48



Seetec eases stress in Parisian Car Parks

Page 6



Kent Fransson, Axis. Björn Adméus, Sony. Pieter van de Looveren, Bosch.

"4K will be the next big trend in video surveillance"

Page 14



Per Björkdahl.

Chairman of ONVIF believes in access control

Page 38



The nominees for the Detektor International Awards 2014

Page 40

The last puzzle
on your business



HUNT

Upcoming trade show..



Security Essen
9/23-9/26, 2014
Booth No.: 9-335



ASIS International
Seminar and Exhibits
9/29-10/2, 2014
Booth No.: 2650



ONVIF

You Only Need One **IP Surveillance** OEM/ODM Partner



HUNT ELECTRONIC Co., LTD

9F, No. 171, Sec. 2, Datong RD., Sijhih Dist. New Taipei City 22183, Taiwan | TEL 886.2.8692-7999
FAX 886.2.8692-6678 | marketing@huntelec.com.tw



www.hunt.com.tw

Seetec eases stress in Parisian car parks

For almost 35 years, one of the largest providers of parking places in Paris SAEMES – Société Anonyme d'Economie Mixte d'Exploitation du Stationnement – has been relieving the parking situation in the French capital's city centre significantly, and to help them with this task the company enlisted the help of a Seetec solution.

With an increasing number of vehicles – annually more than 4 million customers use 79 car parks (22 of these are public and 57 are for residents), 6 park & ride spaces and a parking garage for buses – SAEMES is constantly occupied with the optimisation of their services.

The focus with this project is on the avoidance of queues in front of the gates as well as on guaranteeing a high safety standard in the car parks. With the increasing number of parking spaces, the demands on staff had increased as well and soon reached a limit. To assist their employees and to improve the situation, the management board decided to use a video system back in 2009. It had to be as intuitive and as easy to operate as possible in order to enable the desired short introduction period and subsequent smooth handling for the typically non-specialist staff.

Since no video solution had been applied before, the French

Seetec office was given free reign with regard to system design. For the implementation of the central approach, only an entirely IP based video solution was possible. The core of the application consists of the Seetec Multi Solution Platform, which has been designed to implement demands down to the smallest detail. The fully scalable and modular expandable solution is able to integrate additional cameras, I/O modules, features or applications from third party manufacturers at any time.

To manage all the end customer's locations in a centralised approach, only a distributed installation made sense. For this purpose, an administration server was installed in the headquarter's control centre. An administrator, who is responsible for the configuration assigns user rights, views and centrally operates all systems. He connects, if necessary, to individual locations. In every car park between 20 and 40 cameras are recording. Their im-



ages are stored on a server on site and can be viewed by the security staff. For a clear visualisation of all subsidiaries, the team uses a large Eyevis screen system at the control centre and is therefore able to keep an eye on all events. Due to the display agent functionality, the monitor wall with a total size of a 7 sqm wall can be controlled by a conventional Seetec Client. That way several alarms can be shown simultaneously on the 12 46" displays for example and can be processed from the operator station. The much clearer and more detailed display provides an obvious advantage over the usual PC screen. It enables a more precise analysis of the situation and allows an early intervention in case of incidents.

In addition to the pure video management functionality of the

system, SAEMES decided to apply the Seetec License Plate Recognition at two test locations and linked it with a barrier management system by Eryma. When a vehicle enters the car park, the Seetec LPR Module scans the license plate and compares it with the central license plate data base. If the driver provides additional authorisation by using a special ID card, the gate opens automatically.

Romain Lyon, project manager at SAEMES, draws the following conclusion after almost five years of having the Seetec software in service. "We began with an earlier version of Seetec 5 and have constantly grown with the software. Of course we keep improving our activities with Seetec to perfectly respond to our customer's needs and are truly satisfied with this partnership."

SECTECH

EXPO & SEMINARS / DENMARK

Copenhagen 12-13 November 2014

Exhibition

Seminars

Security Banquet

Sponsor:



Entrance sponsor:



Banquet sponsor:



Organisers:



Media partners:



AR Media International AB, Västberga Allé 32, S 126 30 HÄGERSTEN Sweden, Tel +46 8 556 306 80, Fax +46 8 19 10 11, www.armedia.se

Book your stand – before it's too late

Reserve a stand at the next major technology-focused Danish security event at the Scandic Copenhagen Hotel 12-13 November 2014.

For reservations, please contact:

Deniz Baykal, Phone: +46 8 556 306 80

Cell: +46 73 987 53 33, deniz.baykal@armedia.se

www.sectech.nu



Next generation HD surveillance that simply works

One Solution. One Company.

Designed and manufactured by global surveillance powerhouse, IDIS, DirectIP combines plug-and-play simplicity with unrivalled performance and reliability, to deliver the most comprehensive video surveillance solution available. With unsurpassed image quality and resolution, DirectIP includes an affordable range of cameras, monitors, network video recorders (NVR) and video management software (VMS) for businesses large or small.

IDIS Europe Limited

1000 Great West Road Brentford, London, TW8 9HH, United Kingdom
 T +44 (0)203 657 5678 F +44 (0)203 697 9360 E uksales@idisglobal.com

For more information, please visit www.idisglobal.com



The end of dealing with legacy security systems

Dealing with legacy systems is a repetitive problem in the security management industry. Meeting the security policy with legacy systems can be tough, maintenance is expensive and integration with other systems is challenging at best; the problems associated with legacy systems are well known.

The Health Care sector is increasingly required to demonstrate best value, and security is often seen as simply a drain on resources, rather than as a way to add value and provide additional services, making the decision to replace legacy systems harder than ever.

Ross Bale, a security professional, explains the difficulties of dealing with legacy systems and offers a solution for the ever existing legacy problem.

By Ross Bale, Nedap Security Management

We frequently talk to both NHS and privately owned hospitals that have one or more existing access control system which cannot simply be replaced. Most hospitals in the past have either purchased an access product for a specific area or areas which over time have multiplied into a number of different legacy systems, managed by a variety of different people across the site. This means there is no consistent policy across the hospital and people may require one or more cards or access tokens to gain access to the entire hospital.

Trying to add in other future demands such as lockdown, integration of CCTV and locker management is impossible or inflexible with some legacy systems. In addition to these more technical constraints, budgets often mean that hospital security managers are tied to their existing systems. This is unfortunate as upgrading a legacy system might not resolve all of the problems identified above.

The benefits of open standards

An open platform that enables the integration and management of a wide range of different systems into a single infrastructure enables the hospital to achieve their desires with regard to security without significant capital expenditure. This requires a platform based on open IT standards. With a suitable solution, the security manager is free to choose the “best of breed” components such as card readers, Intercoms and CCTV cameras from any manufacturer without having to wait for integration work or software to be developed to support new products as they are released.

Integration saves money

Being able to re-use existing cabled infrastructure or card technologies, whilst providing new functionality and features, minimizes disruption and keeps costs down. In an environment which is already under significant



Ross Bale, Nedap Security Management.

cost limits, by integrating additional security verticals such as CCTV, intrusion detection and fire with access control, into a single platform, can deliver a return on investment of around 30 percent. This is without sacrificing functionality or performance compared to installing separate, isolated systems.

By seamlessly integrating electronic locker management into the access control platform, it ensures that the maximum number of lockers are available for staff to use. This reduces the number of physical lockers and space required. Eliminating keys also removes the day to day administration typically involved with a conventional locker solution.

Consistent site-wide policy

When the security platform provides distributed control, some wards retain the ability to manage security in their area giving the same feel of ownership and control whilst utilising the one central security system. In this way a consistent security policy is maintained whilst people feel they have control of their own area. This is particularly important for highly restricted areas within a typical hospital such as the pharmacy and high dependency units, where ac-

cess should be greatly restricted and controlled.

Automatic response

An integrated security platform can respond to situations that occur across any part of the security platform. In this way, it is easy to predefine responses to specific situations such as emergencies or lockdown policies. The security manager can predefine what should happen when a specific situation occurs. This can either be activated manually by a security manager, or the system can automatically react. For example, if the fire alarm system is activated in a specific location, the access control system may react automatically by unlocking certain doors whilst locking other doors to facilitate a controlled evacuation away from the fire.

Always ready for future changes

In conclusion, an integrated security management platform based on open standards saves costs. This is done by bringing everything onto a single server and infrastructure platform. This way systems that are already implemented can be re-used and server and infrastructure requirements commonly associated with multiple isolated systems can be reduced.

More importantly, the new system is able to meet the security policy, whilst retaining freedom for different areas within the hospital. In addition, usability is improved through a single intuitive user interface in which all security management tasks can be performed. An integrated security solution as described provides no end of life or restriction as to what can be achieved in the future. ■



Business & Product News Every Day!

www.securityworldhotel.com

No more trash talk

Full coverage in just 2 lenses.



The Double Vari-Focal solution. Cover all focal lengths from wide to tele with 3-Mega-Pixel resolution using just 2 lenses.

The new IR-corrected Mega-Pixel lens series from Tamron features a focal length range of 2.8 to 50mm in just two lenses covering 126.1° to 6.8° horizontal field of view with use of a 1/2.7" camera. A new optical design uses glass mold aspherical lens elements and a special optical coating that ensures 3MP high resolution even under IR light and a clear image.

The simple choice for better security imaging, Tamron's Double Vari-Focal solution.



Model: M13VG288IR
1/2.7" 2.8-8mm F/1.2

Model: M13VG850IR
1/2.7" 8-50mm F/1.6



A Breath of Fresh Air



DualCom DigiAir® - the next generation wireless Digi
The CSL DualCom range is the trusted choice
for signalling at any grade

**Jim Mchale, analyst at Memoori,
comments on the acquisition of Milestone:**

"It is a win-win deal"

When Canon's acquisition of Milestone Systems became official and was published by the website SecurityWorld-Hotel.com the reactions and views from security professionals all over the world were many and varied.

Jim Mchale, analyst at Memoori, has his own clear view as he concludes that the acquisition is a win-win deal.

By Jim Mchale, analyst at Memoori

When the world leader in open video management software (VMS) is acquired it's not surprising that it results in many hundreds of column inches of widely differing opinions; usually surrounding the impact it could have on VMS and the wider implications for the IP video surveillance industry.

Some of this discussion has focused on "Why Canon and not a major camera manufacturer like say Axis?"

It surprised many in the industry that Canon, not a big player in the IP network camera market, should steal this coveted prize from right under the noses of the major camera manufacturers. But it's more likely that these major players decided it could have a negative effect on their camera sales. Would their customers prefer the status quo of independently selecting a VMS supplier?

At Memoori we suspect that they canvassed a number of customers and on balance found that the cons outweighed the pros and the risk of buying into the VMS business (incidentally one order of magnitude smaller) would not be worth taking.

So if this theory is correct why would Canon be prepared to take this risk? Well they have less to lose and a lot more to gain. They have much expertise in camera technology but have so far failed to combine this with application know how on the techno / commercial aspects of the video surveillance business; which would enable them to compete with the best camera manufacturers in the world.

The synergy of this acquisition is that they can learn this from Milestone. For Milestone they will gain investment dollars and move



Jim Mchale, analyst at Memoori.

their product development on to consolidate their current position in VMS and enlarge their scope to take in integration opportunities in access control and beyond. Possibly moving on to other aspects of control and monitoring the built environment and taking advantage of the current hype surrounding the Internet of Things. The acquisition certainly creates a significant new player in the global video surveillance market. From that perspective it is a win-win deal.

Whilst financial details have not been disclosed an exit multiple on 2013 revenue of around 2.5x / 3x looks likely based on findings from our annual report on M&A and investment activity in the physical security business.

Memoori is an independent market research company providing advice and business intelligence to companies across the value chain in security, lighting, building automation and smart buildings. ■

Memoori is an independent market research company providing advice and business intelligence to companies across the value chain in Security, Lighting, Building Automation and Smart Buildings.

You Know ...

But do you really know ?

EverFocus Integration

We have changed. In response to your needs, we are now ready to provide you with the integration services along with the comprehensive product lineup to meet your requirements.

Hardware Delivery

From hardware to software; from IP, HD-SDI to Analog; from home security to enterprise-level projects, everything you think of can be found in EverFocus. We can work together to accomplish your projects.

Software Modification

Being the fastest and the fittest is just not enough, being the most adaptable is the key. This is why we are here for the past 19 years.

We work hard to make sure your surveillance projects be done successfully



23.-26.09.2014
Halle 2.0, Stand 215

Find Out More At:



EverFocus Taiwan HQ:
TEL: +886 2 2698 2334
www.everfocus.com.tw
marketing@everfocus.com.tw

EverFocus USA - California:
TEL: +1 626 844 8888
www.everfocus.com
sales@everfocus.com

 **EverFocus®**
International Branch Offices:
USA (New York), Germany, China, Japan, India



Latin America sees growth in surveillance market

The Latin American video surveillance equipment market is forecast to see annual average growth rates of over 14%. This is despite ongoing economic uncertainty and civil unrest in Brazil, Latin America's largest economy according to recently published estimates from IHS Inc.

The Brazilian market remains the largest, accounting for 40% of revenues in Latin America and is characterised by the presence of numerous strong local suppliers; in fact local suppliers account for

The total Latin American market for CCTV and video surveillance equipment is estimated to have been worth \$565.3 million in 2013.

5 of the largest 10 suppliers of video surveillance equipment to

Brazil. The total Latin American market for CCTV and video surveillance equipment is estimated to have been worth \$565.3 million in 2013.

Other key notes from the report find that Chile and Peru are expected to see strong growth over the next five years. Both markets have been hailed as very business friendly with some of the lowest levels of import duties in Latin America. Moreover, a stable economic outlook and a flourishing mining sector are expected to

attract future foreign investment.

In addition the analysts suggest that the overall market has tipped in favour of network equipment (by supplier revenues) for the first time, despite the large focus on analogue equipment that exists in many regions.

The research company company concludes that supply to the Latin America market is not as fragmented as that of other geographic regions and that the top 15 suppliers accounted for 68.5% of the market in 2013.

NFC market to reach \$16B

According to a new market research report entitled, "Near Field Communication (NFC) Market by Product (IC/Chips, Tags, Readers, and Auxiliary), Application (Payment, Transportation, Booking, Data Sharing, Service, Access Control, Health Care, and Tag applications) & by Geography – Global Forecasts to 2022", published by Marketsandmarkets, the total NFC market is expected to reach \$16.25 Billion by 2022 at an estimated CAGR of 8.83% from 2014 to 2022.

Researchers at Marketsandmarkets conclude that the NFC market is expected to flourish in the near future. The report also includes an in-depth analysis of

the products, applications, and geography. The NFC is a very dynamic market and entails a great potential across many industry verticals. The advancements in technology due to the never ending R&D in this sector, makes it one of the prominent segments in the current industrial scenario. The NFC products have been experiencing continuous developments right since their inception. The technology has a major role to play in this sector due to the cost effective matrix, and this results into a longer life cycle of products and systems, along with greater reliability. The highlighting features of the NFC technology include high rate of communication with other

NFC-enabled devices, better properties to withstand rough environmental conditions, and a longer life that is best suited for the payment, ticketing, booking, and data sharing applications.

Americas is the largest geography in terms of the NFC market value, with the U.S leading the way. APAC (Asia Pacific) has been identified as the fastest growing region and a leader in the NFC technology devices. Europe also has a very promising market, comprising Germany and the U.K., while the ROW also bestows an impetus to the growth of this market. The report profiles 10 promising players in the NFC market ecosystem.

The competitive landscape of

the market presents a very interesting picture, where a large number of small players have become forces to reckon with. The market is witnessing large scale collaborations and partnerships across the value and supply chain, among the number of tier-one players around the globe.

According to the research, the major players in this field include Broadcom (U.S.), Gemalto (Netherlands), Infineon Technologies (Germany), MediaTek (Taiwan), NXP Semiconductors (Netherlands), Renesas Electronics Corporation (Japan), Samsung Electronics Corporation (South Korea), STMicroelectronics NV (Switzerland), and Texas Instruments (U.S.).

Fingerprint sensor market to surpass \$14 B

According to a new market research report, the fingerprint sensor market is projected to cross \$14.35 Billion by 2020, growing at a high CAGR of 16.8% from 2014 to 2020.

The new report, published earlier this month by Marketsandmarkets is entitled, "Fingerprint Sensors Market by Type (Swipe And Area), Material (Optical Prism, Piezoelectric, Capacitive, and Adhesives), Application (Mobile Devices, Government, Defense, Healthcare, Commercial Security and Banking & Finance), and Geography – Global Trends & Forecasts to 2014-2020".

Today, using biometrics for authentication purpose provides greater convenience and reliabil-

ity. Fingerprint sensors are the leading biometric technology in consumer electronics, equipped with a secured authentication system. In recent times, smartphones, tablets, and PDAs are becoming the most indispensable gadget of our everyday lives. Fingerprint sensors enable fast, secure, and reliable access to smartphones as huge amounts of personal information like contacts, payment details, texts, location data, and mails are stored in some kind of encrypted form on the phone.

The fingerprint sensors are having wide application not only in mobiles but also in areas such as government, criminal identification, defence, travel and migration, banking and finance,



The fingerprint sensor market is projected to cross \$14.35 Billion by 2020, growing at a high CAGR of 16.8% from 2014 to 2020.

healthcare, smart homes, and commercial security.

The fingerprint sensor market is segmented into five categories that include materials used, sensor

types, biometric types, application, and geography. This report divides the overall market into four main geographical segments, namely North America, Europe, APAC, and ROW. APAC is currently the highest contributor in terms of the market growth as compared to the other regions.

The leading companies in the fingerprint sensor market covered in the report are Authentec Inc. (owned by Apple, Inc.), Synaptics (U.S.), Fingerprint Cards AB (Sweden), Idex ASA (Norway), Next Biometric (Norway), Atmel Corporation (U.S.), Fujitsu Ltd (Japan), Bio-key International Inc. (U.S.), 3M (U.S.), Infineon Technologies AG (Germany), and Fulcrum biometrics (U.S.), among others.



Let's face it.

suprema FaceStation

The revolutionary Suprema FaceStation features next generation face recognition technology that provides faster, convenient and a higher level of biometric access control security.

www.supremainc.com

©2013 Suprema Inc.



"4K will be the next big trend

IP cameras and video surveillance continues to develop rapidly. In this article, experts from three major surveillance camera manufacturers will share their view on the major trends of today: Kent Fransson, Product Manager, Axis, Pieter van de Looveren, Manager Marketing Communication Video Systems, Bosch and Björn Adméus, Regional Sales Manager North Europe, Sony.

By Henrik Söderlund

What is the strongest trend in video surveillance today?

Kent Fransson: "In terms of resolution and picture quality, it is clear that HDTV is the new standard. Today, everyone is talking about either 720 or 1080. Another trend is that the society's acceptance of video surveillance has increased in almost all parts of the world."

Björn Adméus: "Quality has become important in all situations: both during night time and daytime and also when it comes to photosensitivity. Today, people are simply more sensible about quality. Security cameras are so much more than just cameras; they are intelligent devices. For example, with motion detection the number of false alarms is minimized. Another trend is that people tend to look at the whole picture, on how well components fit together in the system and how well various products operate together."

Pieter van de Looveren: "The discussion will not only be to use a 12, 15 or another multi megapixel camera. The focus will be delivering meaningful IP video surveillance solutions to the market place that offer operators or end users highest quality of relevant IP video surveillance images. There is also an increasing demand for mobile access to your HD video footage. IP video surveillance needs to be easy to manage as well as affordable. Especially for SMB and residential applications, cloud technology is taking off."

What is your opinion about 4K when it comes to security cameras?

Kent Fransson: "I think we will see exactly the same thing as with HDTV, which was driven by the consumer market and where prices decreased pretty quickly. The same thing will happen with 4K, but with one major difference: earlier the security industry was about five years behind the consumer market, nowadays it might only be a year. However, the impact of 4K will not be as explosive as with HDTV because most people do not know what 4K is. Also, HD made a major difference when it hit the market and that will not be the case for 4K. There is no doubt 4K will enhance video surveillance in that you will be able to digitally zoom into images and, for example, will be able

to see if a person has a knife in his hand or if it is something else."

Björn Adméus: "Today's major bottleneck is compression. When you send files over the network, the issue is how to extract them in the central application. We will launch a 4K camera some time during 2015 and we will display a prototype of it at ISC West and Ifsec this year. I believe 4K will breakthrough within 2-3 years, but not for all applications. We see that HD is adequate in many installations and 4K will primarily be used when you want to cover large areas such as airports."

Pieter van de Looveren: "At four times the resolution of full HD (1080p), ultra HD provides a tremendous advantage in detail capture with crisp, vivid images even when zoomed in digitally. Ultra HD from Bosch is the first real ultra HD camera for video surveillance applications and Ultra HD is ideal for airports, banks, gaming centres, shopping malls, retail stores, parking areas, public transportation like platforms and walkways as well as stadiums and for large area surveillance."

Will the race for megapixels ever come to an end?

Kent Fransson: "Everything will always be better. But if we look at the digital camera consumer market – the megapixel race has almost come to an end. Instead, it is all about optics and noise reduction. It is very important to not just focus on megapixels."

Björn Adméus: "It feels a little bit like it has already run out. People have realised that HD or Full HD is good enough and that there is a quality difference between HD and megapixel cameras: although there are fewer pixels in a HD camera, picture quality will be a lot better than with the megapixel camera."

Pieter van de Looveren: "We expect that it will continue for a while looking for example at developments within the film industry. In consumer markets megapixels are still an important argument in the mind set of customers for buying, "more is better." Often forgotten however, is that more megapixels also mean more data and therefore require better processing power, more storage space and higher bandwidth requirements."

As resolution continues to increase, how big is the problem with bandwidth?

Kent Fransson: "Well, bandwidth is increasing, but compression is also becoming more effective. H265 will be launched to the market in a few years and it will reduce bandwidth by up to 50 percent compared to H264. You could say that 4K will multiply the bandwidth by four and then H265 will divide it by two. Because fibre networks are becoming more common, I do not think bandwidth will be a major problem in the future."

Björn Adméus: "Today, most people have realised that they should not put up an IP camera on the existing network, but create new networks for security applications. It minimizes problems with bandwidth. However, if you have a Full HD camera recording 50 frames per second, of course it requires more of your network. In summary, I do not think bandwidth will be a big problem and there will be new, better compression coming soon."

Pieter van de Looveren: "Bandwidth will be an ever-increasing challenge for the coming years. We need to manage the data at its source and therefore in the camera. The intelligent camera can decide what to record and therefore stream via the network consuming bandwidth or what not to stream based on pre-defined rules. Another challenge that comes with it is managing your data storage more efficiently. Storage costs often account for 50 percent of total system costs, so therefore you also want to limit possible redundant storage capacity to keep certain retention times or to built-in extra reliability."

Today there are HD security cameras that can record 60 frames per second. Is that really necessary?

Kent Fransson: "It depends on what you are shooting. Normally, not very much will happen between each frame, but with traffic surveillance for example, it will be a whole lot easier to recognise a license plate. In many countries, people sit and watch live video surveillance footage, and for them it will be an improvement because pictures flow much better with high frame rates."

Björn Adméus: "Most security applications today use 12-15 frames per second, but there are needs for more in specific environments. For example, in traffic and city surveillance you do want to be able to see patterns of movement. Same thing in the heavy industry where you want to follow a process and break it down into frame by frame."

in video surveillance"

Pieter van de Looveren: "In many applications lower frame rates are in general accepted. For example in retail applications, people do not move so fast, hence in general 12 frames per second is used. An example of where high frame rates are needed is traffic: cars can move at high velocities and as such the camera frame rate should be higher to ensure the car is caught in the field of view."

The security camera's CPU power continues to increase, what will that lead to?

Kent Fransson: "CPU power is the heart of the IP camera. More CPU power will make it possible to reduce the bandwidth, increase the noise reduction, and put more effort into video analytics."

Björn Adméus: "The camera will be able to handle much more intelligence and much of the processing will be done in the cameras instead of in the central unit. You can record on the camera's memory card and the camera thus becomes a stand-alone device that you can connect yourself to when something happens. It also allows you to minimize the constant need for a lot of bandwidth, instead that will only be required when something is going on."

Pieter van de Looveren: "The increased computational power will allow more intelligent and processor imaging function algorithms to operate and this will result in improved video quality in challenging light conditions and smarter security."

Is IP video on its way to conquer analogue solutions also in smaller installations?

Kent Fransson: "Yes, Axis Camera Companion is a good example of how to bring down the cost. You just need an SD card inside the camera and after you have started the system with a computer, it will be automotive and you will not need a computer or a DVR."

Björn Adméus: "Prices of IP cameras are approaching those of analogue cameras more and more. For example, look at installation time: with an analogue camera, you have to plug in both power and a coax cable. An IP camera only needs one cable and you can use the camera for so much more than just recording. You can connect yourself to the camera from your smartphone or from wherever you want and you can get the camera to send images to you by text messages or email."

Pieter van de Looveren: "Yes, higher resolutions, maximum flexibility and mobile access



Kent Fransson,
Product Manager, Axis.



Björn Adméus,
Regional Sales Manager
North Europe, Sony.



Pieter van de Looveren,
Manager Marketing Communication
Video Systems, Bosch.

can be more easily managed by IP solutions. As a matter of fact to take full advantage of high definition (HD) resolutions an IP video camera is a must. Also in order to fully utilise the advantage of video analysis an IP solution offers greater possibilities."

What is your view on video analytics?

Kent Fransson: "Today you can run easier video analytic applications in the cameras while more advanced video analytics are conducted at a central server. For example, IP cameras are excellent for analysing license plates. Video analytics is developing and it will continue to do that as the processing power increases. Ten years ago it was all about motion detection, today we are talking facial recognition. However, the development has been slower than expected because it is more complicated than people thought."

Björn Adméus: "Initially, I believe a lot of people thought you could do anything with video analytics. Everyone was watching CSI and assumed that was the reality. Nowadays people are starting to understand how you can use video analytics. It has become a lot better but you still cannot use it everywhere and in some environments, it will simply not work."

Pieter van de Looveren: "There will be an increasing demand for video analytics since IP video surveillance cameras can also be applied for applications beyond security like POS analysis, people counting and crowd monitoring. Another trend we can distinguish is managing big data when looking for evidence and reducing the number of false alarms."

What is your view on thermal cameras?

Kent Fransson: "Thermal cameras and video analytics is a wonderful combination because they are not affected by changes in lighting. We continue to develop our thermal camera offering and we find new applications all the time."

Björn Adméus: "I think that the reason why

thermal cameras experienced such a breakthrough in some countries was that they were allowed to be installed without any formal permission. I believe thermal cameras are an excellent add on, but generally speaking, after all, you want to be able to see what is happening, not just detect it."

Pieter van de Looveren: "They are ideal for critical surveillance applications where the camera's field of view could be obstructed by fog, smoke, lack of light. In this case a normal camera would not be of any use and the benefits of capturing details based on body heat or temperature levels of objects becomes apparent. Another application is the security of critical installations when temperature levels should not exceed certain levels."

What will security cameras look like in the future?

Kent Fransson: "They will have a higher photosensitivity, better dynamics, better noise reduction and more useful video analytics. Since security cameras are used in places where you want them to blend into the environment, the design and colour will become more important in the future."

Björn Adméus: "I believe 4K will be the biggest trend in the near future and you will also be able to add more applications to the cameras. In general, I think we should ask ourselves what we want to use the camera for and then find applications that fit that purpose. I also believe that there will be more uses for security cameras."

Pieter van de Looveren: "IP video surveillance cameras will play an important role in tomorrow's connected world (Internet of Things). This implies a further increase in processing power and built-in intelligence to manage the data explosion at even higher rates per second, still keeping bitrates and hence storage costs and network strain at its minimum. Cameras need to be able to allocate tasks most efficiently and be able to communicate with other cameras in order to enable object/person tracking over multiple cameras." ■

Birmingham airport upgrades surveillance

At **Birmingham airport** the decision was recently made to streamline security operations utilising a single control room to monitor the entire site and the authorities involved selected **Indigovision's** complete end-to-end solution as the backbone for the whole system.

When the Senior Executives at Birmingham airport were laying out plans to increase passenger numbers and improve operational efficiency, it became clear that the existing system and infrastructure would be unable to meet these demands. With six



separate control rooms spread across the airport already, further growth would make it difficult to co-ordinate security efficiently. As a result the decision was taken to streamline the whole system to increase efficiency and improve the infrastructure.

Most of the existing ana-

logue cameras were replaced with Indigovision Enhanced IP cameras, while the remaining analogue cameras were converted to IP using Indigovision encoders. Since all of these devices employ Indigovision's video compression allowing video to be streamed over minimal bandwidth.

The ability to view and control cameras from any point onsite has allowed Birmingham Airport to reduce its number of control rooms from six to one, removing communication barriers and increasing operational efficiency.

In addition, Indigovision's open

integration means that other elements of the system such as access control and alarm management can be managed through Indigovision's Control Center software.

"We're delighted with the new system, the return on investment was outstanding," explained Airport Control Centre Manager **Chris Wilson**, "After nine months, the Indigovision system had paid for itself. With Indigovision's Distributed Network Architecture we can easily increase camera numbers, aligning security with Birmingham Airport's long-term vision.

Axis still leads global network video market

Axis Communications continues to hold a global market-leading position in network video, according to two new independent market research reports.

"We continue to strengthen our presence in the Americas and EMEA. We are committed to our long-term strategy of continuously releasing innovative network video products and offering intelligent security solutions in a global market together with our partners,"

says **Ray Mauritsson**, President of Axis Communications.

In the Americas and EMEA regions, Axis maintains its leading market share position in security cameras, network cameras and video encoders, according to the latest analysis from the IHS Technology Video Surveillance Intelligence Service. Due to the convergence from analogue to digital installations, Axis has increased its security camera



*Ray Mauritsson,
President of
Axis Communi-
cations.*

market share in the Americas and EMEA regions and strengthened its leading position in relation to the second ranked vendor.

The network video market will

grow by 22 percent annually until 2018, according to IHS. TSR estimates the network video market growth to be 16 percent yearly until 2017.

"Both reports highlight the growth in the global network camera market and clearly show that interest in network camera installations is increasing. The range of predicted growth corresponds well with our current view of the global market" says Ray Mauritsson.

Gunnebo divests in France

The **Gunnebo Security Group** has divested **Ficht-Bauche Télésurveillance** (FBT) via its French subsidiary, Gunnebo France, to **Butler Group**. FBT provides alarm monitoring and intervention services to compa-

nies and private individuals on the French market.

"The divestment of FBT is in line with our strategy to phase out those areas of Gunnebo which are not part of our defined core business or where we do not

have the opportunity to attain a significant market position," says Gunnebo AB's President and CEO, **Per Borgvall**. "We are certain that FBT will develop positively under its new owners."

FBT recorded a turnover of 50 MSEK for 2013 and has around 45 employees. In conjunction with the divestment, FBT has been given a license to continue using the Ficht-Bauche Télésurveillance brand.

7 percent growth for global video surveillance equipment market

The world market for video surveillance equipment grew by almost 7% in 2013. This is according to recently published estimates from **IHS Inc.**, through its Video Surveillance Intelligence Service. The service also reveals that the ongoing transition from analogue to network equipment accelerated in the same year with revenues from network higher in all four major world regions analysed (EMEA, Americas, China, and Asia).

According to principal analyst, **Jon Cropley**, "IHS forecasts that the pace of transition will continue to be rapid in 2014 and 2015

before slowing slightly from 2016 onwards. In the next two years a number of major vendors will continue focusing their efforts on their network equipment at the expense of analogue."

Global video surveillance equipment revenue in 2014 is expected to rise to \$15.0 billion, up from \$13.5 billion in 2013.

IHS has just added new global and regional market statistics, forecasts and market share estimates to its Video Surveillance Intelligence Service.

In addition to these trends, IHS also finds that a number of Chinese suppliers are estimated

to have gained market share in regions outside China in 2013. They tend to offer products with low prices and this has been a major factor in high average price erosion in those regions.

Staying in that region, China is also estimated to have been the largest regional market for video surveillance equipment, accounting for a third of global revenues in 2013.

In terms of revenues, the market for network cameras was much larger than the analogue camera market in 2013. However, unit shipments of network cameras are not forecast to exceed those of

analogue cameras until later in the decade.

Forecasts from IHS for network cameras with 4 megapixels and above have increased. Growth in demand for 180/360 degree network cameras and 4K cameras is a major reason.

The research company also finds that the supply of video surveillance equipment remains highly fragmented and the fifteen largest suppliers accounted for only just over half the market in 2013. And, although declining, shipments of analogue cameras and DVRs will remain high throughout the forecast period.

Reliable • Easy • Open

QNAP
SECURITY

Managing 1,000+ cameras across multiple sites

VioStor CMS



Responsive Event Management

Alarm mode provides instant event handling on each event's snapshot & log with Live View, Event Playback, View, and E-map

Flexible View Management

Logically group related E-maps and cameras into a View, and manage Views via an intuitive tree structure

8 Monitors 4K Video Matrix

Supports up to 512 channels on 8 monitors per CMS client PC (depending on PC hardware specifications)

Centrally manage for up to 128 NVRs

Centrally monitor and manage 128 NVRs, e.g.: remotely update multiple NVR's firmware simultaneously, and ensure synchronized times with CMS server's NTP functionality, and more.

Scalable Camera Licenses

Flexibly increase the number of camera licenses to support up to 1,024 channels for project expansion without limiting the NVR

Complete Reliability for Constant Operation

QNAP designs, manufactures and tests all of their NVR/CMS servers to an impeccable standard, ensuring rock-solid 24/7/365 usage.

Tower
VSM-2000



Rack-mount
VSM-4000U-RP



Base license: 64
Maximum number of licenses: 1,024

Enhance security guard's working effectiveness and efficiency

Alarm mode records every event from up to 1,024 cameras and 128NVRs, and gives notification for each event, ensuring no event is missed.

Easily setup a video matrix

Just prepare a client PC, and the desired number of monitors, the intuitive CMS client UI will guide you how to setup the video matrix. No technical knowledge needed, friendly for all types of user.

Have an overall control over the branches in headquarters

Headquarters can centrally monitor the NVR hardware status and camera events from all branches on CMS E-map and dashboard.

Simplify the settings, shorten the settings time, optimize the labor cost

System Installer now can shorten the CMS settings time by "Apply All," which turns the CMS settings from a lousy process to a time-efficient step.

Flexible scalability and cash flow

Business owner doesn't have to pay all the camera licenses at a time, instead, buy extra camera licenses by stage according to the project's schedule.

Low maintenance cost & higher security

QNAP provides rock-solid CMS hardware, one-stop service window for both hardware & software, easy for you to maintain the CMS.

www.qnapsecurity.com

Assa Abloy acquires Enox India

Assa Abloy has signed an agreement to acquire the locks and hardware business under the **Enox** brand from Pooja Hardware, one of the market leaders in India.

"I am very pleased that Enox is joining the Assa Abloy Group. Enox is the Group's first major entry into the large and fast growing Indian

market and will constitute an important building block in our strategy to grow market presence in emerging markets", says *Johan Molin*, President and CEO of Assa Abloy.

"Enox is a great addition to the Asia Pacific division. The acquisition adds complementary business channels and products to our existing

Indian business. Enox will also give us access to a new customer base within the fast growing glass hardware segment", says *Magnus Kagevik*, Executive Vice President of Assa Abloy and Head of Division Asia Pacific.

The acquired business was established in 2007 and has some 220 employees. The head

office is located in Mumbai.

Sales for 2014 are expected to reach INR 1,200 M (approx SEK 130 M) with a good EBIT margin. The acquisition will be accretive to EPS from start.

The transaction is subject to regulatory approval and is expected to close during Q3 2014.

Dahua awarded for Intelligent Traffic Surveillance

The **Dahua Technology** 3.0 megapixel intelligent video spot detector (DH-ITC304) has been awarded with the ITS Golden Lion at ITS 2014. Following on from this, Dahua Technology continued with its winning ways by also being included in the "China Top 30 ITS Brands" and the "China ITS Recommendation Brand" for a third time.

ITS 2014, held from 10th to 12th June in Shenzhen, China, presented some highlights of advanced technical equipment and overall integration platforms for intelligent transportation as well as

system integration both at home and abroad.

The Dahua 3.0 megapixel intelligent video spot detector (DH-ITC304) utilises a super low illumination sensor, which is designed to be perfectly suitable for working in dark or badly lit environments, and its built-in high performance processor satisfies the requirements for parking spot detection applications, vehicle recognition and other intelligent functions without any additional processing devices. One single DH-ITC304 spot detector is able to detect three standard parking



spaces at the same time, which greatly increases efficiency.

The device is Wifi or SD card optional, which means that it can cooperate with the all-in-one camera for parking guidance and card finding systems when it has access to the internet. Moreover, the seven-colour light indicator is an additional service to clients

allowing them to easily find the location of a vacant spot.

"Dahua Technology is not only a world leader in video surveillance, and actually, we started our intelligent traffic business from 2006," said *Bill Zhou*, Senior ITS Engineer at Dahua Technology. "Being backed up with sound company strength, Dahua ITS solutions and products have a lead on easy installation, configuration and integration with multiple functions provided such as video and image collecting, license plate recognition, rule violation analytics etc., this award is proof of this point."

G4S Sweden sold for £37.4M

Last year G4S sold its business in Norway to Norwegian company, Nokas, now the company is selling **G4S Sweden** to **Sector Alarm Sverige AS**, the Swedish arm of Sector Alarm Holding AS, another Norwegian based company, for a total consideration of SEK 438 million (£37.4 million at current exchange rates) including cash and debt.

G4S Sweden provides manned security and security systems to customers across Sweden. Commenting on the proposed divestment, *Ashley Almanza*, G4S Group Chief Executive said:

"The sale of our business in Sweden is part our active portfolio management programme which we announced in No-

vember last year to improve our strategic focus, capital discipline and returns.

We have implemented a number of operational improvements in G4S Sweden in the last 12 months, and this sale realises an attractive premium for shareholders while providing customers and employees with the prospect of a sustainable business in Sweden."

The completion of the transaction is subject to customary closing conditions and regulatory approvals.

G4S has stated that it will work closely with customers, employees and employee representatives to ensure a smooth transition once the necessary approvals have been obtained.

HID and Assa Abloy help secure access in Brazil

HID Global access control products, along with door-opening solutions from parent company Assa Abloy, were used in various solutions across six of the 12 stadiums in Brazil whilst hosting the 2014 FIFA World Cup football matches.

"We are very excited to have been playing such an important role in protecting the safety and security of the fans, players and staff during this year's FIFA



championship matches," said *Gustavo Gassmann*, Sales Director, Brazil with HID Global. "Securing large-scale outdoor sporting venues is one of the industry's most

difficult security challenges, but HID Global and Assa Abloy have extensive experience in this area. Working with our local integration partners, we have delivered secure solutions that are designed to provide robust protection for the people, equipment and infrastructure at these World Cup venues."

HID Global and Assa Abloy products were being used at new stadiums in Fortaleza, Natal,

Recife, Curitiba, and Brasilia, as well as at the legendary Maracanã Stadium in Rio de Janeiro, which hosted the World Cup final on July 13 and will be hosting both the opening and closing ceremonies for the 2016 Olympics. The two companies' products have also been recently deployed at the Arena do Grêmio in Porto Alegre and the Allianz Parque (formerly the Arena Palestra Itália) in Sao Paulo.

Nothing happened today.

In a perfect world, no one thinks about access control except you. The hundreds of people coming and going don't think about you, or what a good job you're doing, or how they always manage to get seamlessly where they need to go. Because you chose Synergis access control, it was another great day.

Multicom and Safetel merge to form a new leading player in the Scandinavian market

Security firms **Multicom Security** and **Safetel** including subsidiaries are merging with a joint ownership. With about 40 million Euros in sales and over 100,000 customers, the Group becomes the 6th largest security company in Scandinavia. The ambition is to become a leading North European player within monitored alarms and mobile data services.

"There is an ongoing consolidation in the security industry. To meet this development as a provider we need size, professionalism at all levels and innovation. The future will require increased

investments in product and market development. The new corporate structure will enable us to meet the constant changes in the market more efficiently," says *Stefan Albertsson*, CEO of Multicom Security, who will become the CEO of the new company.

Both parties see clear synergies, as both companies have complementary products and overlapping customer portfolios. The companies are therefore well positioned to meet the changes in technology and market.

"Together we will be well positioned to increase the market



*Stefan Albertsson,
CEO for Multicom Security.*

share in Scandinavia and expand into new markets in Northern Europe. By combining experience, technology and strong growth, we will achieve greater efficiency and

profitability, thereby increasing the opportunities for product and market development," says *Harald Rønning*, CEO of Safetel.

It will be further investigated whether the companies should legally merge in 2015.

The ownership is arranged through a new holding company where Multicom Security Manager; GMT Communications Partners LLP has a 60 percent stake and Safetel's owners; Viking Venture AS, Follum AS, Skaugen Private Equity AS, and a smaller group of owners has a 40 percent stake.

Europe's biggest fire alarm system

The **University Medical Center Groningen** (UMCG) has officially taken delivery of its completely upgraded fire alarm system. With 7500 fire detectors, spread over more than 30 buildings throughout the university's campus, it is, according to **Siemens**, the largest fire alarm system on one network in Europe. The system that was supplied by Siemens Building Technologies not only puts an end to the many false alarms raised in the past, but also protects the medical center's employees and patients optimally, thanks to the use of intelligent smoke detectors.

This major upgrade, on which Siemens and the UMCG cooperated very closely from the start,



kicked off during the last quarter of 2011. Royal Haskoning DHV acted as advisor for the UMCG and Harwig Installatiegroep from Emmen (NL) installed the 7500 intelligent Sinteso smoke detectors, 35 fire alarm panels and 18 operating consoles.

Another feature that was introduced is the electronic logbook, which provides a comprehensive overview and allows uniform management of the system. At the end

of February 2014 the installation as a whole was certified by B.V.I. (Brand Veiligheids Inspecties, a dutch certification body). It was notable that throughout the major upgrade not a single department in the medical centre had to be shut down or relocated, which was all very important for safeguarding UMCG's continuity.

Erroneous and false fire alarms – 90 percent of all alarms generated at companies and organisations – are one of the biggest problems associated with automatic fire detection and cost the fire department and the companies involved huge amounts of money and time. False alarms also cause disruption and panic, premises have to be evacuated and

continuity comes under threat. The basic starting point with the Siemens Sinteso smoke detectors is that they only react when it is really necessary, thanks to the patented ASA technology.

Each area in each individual building was also fitted with a smoke detector that was specifically programmed and tailor-made for that area. The patented ASA technology ensures that the Sinteso smoke detectors are better able to distinguish between different types of smoke particles. The intelligence is also evident in the detector's ability to correct: if there is no smoke from a real fire, but simply dust from construction work or steam from a shower, the detector will not trigger an alarm.

Fire market begins move to IP

Despite traditionally being slow to use new technologies, analysts at **IHS Inc** have found that the fire market is starting to see increased interest in wireless and IP (Internet Protocol)-enabled products

Wireless products have typically been used in specific applications where wiring is difficult such as historical buildings, but outside of this the market has been virtually non-existent. Barriers such as reliability, price, variations in frequencies and installer reluctance have slowed adoption. However, wireless is starting now to be embraced. This is particularly true in the United Kingdom (UK) and Nordic countries. IHS

estimates some 25% of sales of wireless products in Europe are taking place in the UK. End-users are now willing to spend a bit more upfront for the product, in exchange for lower installation costs since wiring is not necessary.

The main barrier to mass-market adoption is the integrator/installer channel. Installers continue to be reluctant to market wireless products because they would need to complete more installations to make the same amount of money as they do with wired installations. So while end-users see benefits, installers struggle to see any advantages.

Researchers found that for IP, increasing demand to integrate multiple building systems is driving acceptance. Large facilities, centrally managed chains and campus-style buildings want to connect multiple building systems together to gather higher levels of data on a single platform. Surprisingly, most demand for these solutions is coming from the Middle East and Southeast Asia where legislation is more lax on integration standards. Here buildings are integrating fire equipment with building management, security, and lighting equipment to improve operational efficiencies and have fewer people reviewing/

monitoring the information. It is expected to not only increase adoption for networked addressable panels but should also increase use of more sophisticated communication channels such as IP and Modbus.

Demand for these technologies is expected to remain modest in the short-term. However, as other building technologies such as access control, video surveillance, intruder alarms, building automation, elevators, and visitor management systems move to use wireless and IP-ready products, and be integrated, the fire industry may be hard-pressed not to follow-suit.



» *We open up new worlds* «



Whether with the AirKey mobile NFC security solution or the location-based access control system Xesar – EVVA is setting new benchmarks.

A new dimension of Security:



Visit us in Essen, Security
September 23-26, 2014
Hall 2.0 Booth 125

Fujinons' first 4K Vari Focal lens



Seetec Cayuga R4

For several years, the trend in video surveillance has moved towards bigger and bigger systems – installations with a four-digit camera count or connections to a multitude of third-party systems are not uncommon. Projects such as these require maximum efficiency of both system and alarm management. The release of the **Seetec Cayuga R4** mainly focuses on these aspects and includes more than 35 new features in total.

The Auto Updater has been extended in the Seetec Cayuga R4 to support the migration from one version of a Seetec system to another. Up until now, customers and partners have known the Auto Updater as a tool for the automatic installation of new releases within one software generation. With Seetec Cayuga R4, it is now also possible to use it for a mostly automatic migration of Seetec 5 to Seetec Cayuga. Using the programme minimizes sources of errors, and considerably facilitates the change to the current version for customers, who have so far avoided a migration fearing too much effort.

With Seetec Cayuga R4, the generic camera driver is now also multicast-capable. For a successful application, a multicast-capable camera server communication is required. If the cameras support multicast, the same data stream can be sent to all systems involved without burdening the network due to additional capacity. In distributed corporate networks, the application of multicast switches leads to a reduction of the used bandwidth.

Until now, the user has been able to get an overview of the received alarms in the Seetec software only via the alarm list. To process these using the image recordings, each alarm



scenario had to be selected individually. With the new feature “Sequential Alarm Window”, an additional display window is available, in which all camera

images belonging to the received alarms are displayed automatically. The security personnel of big systems with many alarms thus get an even faster overview over the events, and are able to decide in a matter of seconds which alarm should be prioritised. The visualisation may be adjusted individually regarding column and line number.

With the reference image comparison, a function known from Seetec 5 is now also available in Seetec Cayuga in revised form. As a component of the camera configuration, this is now much easier to operate. The comparison of the current camera image with a previously selected reference image may be started manually, or carried out regularly and automatically at a specific point in time. This enables recognising changed camera positions: As soon as the current image does not match the reference image anymore – taking a configurable tolerance threshold into consideration – the security personnel is informed about the modified camera position via a system report. Moreover, Seetec Cayuga R4 provides an automatic tamper detection, which can recognise a twisted camera in real time and trigger an alarm. Both functions offer an effective protection against camera sabotage.

swh

Indigovision brings high end to mid range market

The **Indigovision BX100** four channel encoder has been designed to be part of an ideal package for migrating mid-range DVRs to IP.

“The security industry thinks analogue is dead, but there are millions of analogue cameras still used worldwide. Most are in mid-range systems that are 20 cameras or less,” stated Marcus Kneen, Indigovision’s Chief Executive Officer.

“The mid-range market has been late to adopt IP video, instead using Digital Video Recorders (DVRs) to manage and record analogue cameras. The DVR is usually the weak point, outdated technology with low quality video recordings and the inability to handle high definition (HD) or megapixel IP cameras. We’re seeing a strong desire to migrate from mid-range DVRs to IP. Until now, the price has been too high or the technology performance too restricted.”

The new Indigovision BX100 four channel encoder is engineered to be the gateway for mid-



range installations to an HD ready, future-proofed security system.

Marcus continued, “The BX100

is perfectly priced for the mid-range market. It may have a lower price, there’s no compromise on performance. Every camera input gives full frame rate, full resolution and better quality video than a DVR.”

“Encoding analogue cameras to IP is just one part of the security system, the video still needs to be recorded and managed,” stated Paul Murphy, Indigovision’s Head of Marketing, “Other manufacturers focus on either encoding and recording hardware, or management software. Indigovision develops all of these, and each is optimised to work together, giving a security system that’s HD ready and future-proofed.”

HIGH-TECH AT YOUR FINGERTIPS.



SECURITY
ESSEN 2014
HALL 11
STAND 404

The digital SmartHandle 3062 makes doors intelligent in just a flick of the wrist. The high-tech fittings ensure that only authorised persons are allowed access, and that within exactly defined time windows.



Freely programmable, direct and virtually connectable. Thanks to the simple SnapIn installation method, the SmartHandle can be installed without any cables in just a few minutes. Extremely long-life button cells ensure up to 130,000 open and closing procedures with no worries. The fittings were even awarded the red dot design award: intelligence can so be nice to look at too!

Phone: +49-89-99228-0 | www.simons-voss.com

For more info about the products, contact the suppliers directly by looking in the Security Buyers Guide on page 54

The suppliers web site is linked to the global security web portal, www.securityworldhotel.com

Video analytics for residential protection

Riva has launched RC6702HD and RC6802HD. These mini bullet cameras are suitable for outdoor applications during the day and at night for both domestic and commercial applications.

The demand for surveillance cameras for residential protection against burglary and vandalism is increasing. With 16 integrated high power IR LED's, the Riva RC6702HD achieves an illumination distance up to 20m. Moreover it has a variable focal lens of 3-9mm. Hence, the coverage range of the cameras and the level of details can be determined flexibly. In contrary the RC6802HD achieves an illumination distance of up to

10m with 8 integrated LED's and has a fixed focal lens of 4.3mm.

The compact Riva home security cameras for indoor applications – RC302HD, RC3402HD and RCC100HD – can be installed inside a house and help to explain any events of burglary or vandalism. The RC302HD dome camera is characterised by its compact design, which offers a special protection against vandalism. The new dome camera RC3402HD reaches an illumination distance up to 20m with its 14 integrated high power IR-LED's. The RC-C100HD cube camera with 2-way audio support achieves a frame rate up to 30 frames per second at



Riva has launched RC6702HD and RC6802HD.

720p resolution. It is easy to install and besides a built-in microphone and speaker it contains a mechanical camera lens privacy shutter. Hence, you can close the cover every time you are at home and don't want to be recorded.

Video analytics can also play an important role in the field of

home security. The enter/exit filter triggers an alarm, every time a person enters a property unauthorised. Thus, offenders can be caught in the act. The dwell filter is often used for outdoor applications. In this way, it can be determined, if a person loiters at a property for an unusual time period – for example in front of the door. The filter for direction detection detects in which direction potential offenders move. In order to feel at ease about the security of a property during holidays or business trips, users can watch their home at any time from a mobile device.



New range of PTZ-cameras for challenging environments

Bosch Security Systems now offers the MIC family of ruggedised pan-tilt-zoom cameras for reliable surveillance in the most difficult outdoor locations and other challenging environments, combining high-quality HD imaging with an IP68/NEMA 6P-rated IP architecture.

The new MIC IP 7000 HD family delivers IP video surveillance images of high quality everywhere, even in areas with extreme conditions like roads or highways, transportation facilities, city surveillance and critical infrastructure sites. The cameras withstand a wide range of harsh conditions – from -60 to +60 degrees Celsius with up to 100 percent humidity, as well as rain and snow, high wind gusts and significant vibration.

The new MIC IP starlight 7000 HD camera delivers HD video images in extreme low light situations and captures moving objects in 720p HD resolution at up to 60 frames per second. It delivers video images where others may fail, even down to 0.01 lux. Clear HD images are captured in colour down to 0.05 lux – when others switch to monochrome – to reveal accurate colour details that support significantly in security event identification. Its ability to capture fast moving objects and performance in extreme low light situations make the MIC IP star-



MIC IP 7000 HD.

light 7000 HD ideal for securing, for example, areas along highways.

The MIC IP dynamic 7000 HD offers 1080p resolution and captures multiple exposures of the same scene to provide maximum detail in areas with both bright and dark lighting conditions. The wide dynamic range and intelligent backlight compensation ensure that moving objects or specific objects of interest are enhanced and can be easily identified in scenes with simultaneously bright and dark areas, which typically challenge standard cameras.

Both cameras also feature intelligent de-fog technology to dynamically adjust camera contrast settings to deliver the best quality in scenes affected by fog, smog, mist or other low contrast scenes.

Detection of objects of interest in complete darkness is ensured by the optional MIC illuminators. These illuminators consist of both IR and white light LEDs, and operators can switch between the two

light sources with a single click. This enables detection of objects up to a distance of 175 metres.

Another differentiating feature of the MIC IP 7000 HD family is built-in intelligent video analysis (IVA). It helps to focus on relevant situations by alerting you when needed, or automatically tracking objects of interest. IVA also adds sense and structure to video data by adding metadata already in the camera. This allows the quick retrieval of the relevant images from hours of stored video. Metadata can also be used to deliver irrefutable forensic evidence or to optimise business processes based on, for example, people counting or crowd density information. By smartly using the camera's ability to simultaneously combine 8 of the 15 available IVA rules, complex tasks are made easy and false alarms are reduced to a minimum.

Among other uses, IVA can assist in monitoring unmanned stations or pipelines where people are not expected during normal operations, and since security guards cannot be everywhere all the time or watch everything at the same time, IVA alerts can also be sent to mobile devices when needed.

In addition, intelligent tracking (itracking) automatically tracks moving objects based on predefined alarm rules or a simple click. By intelligently distinguishing

between single and multiple reference points, itracking will provide uninterrupted tracking. Optimal capture of the object of interest is assured by dynamically adjusting the field of view. With intelligent tracking, it becomes easier never to lose track of objects of interest.

Limited bandwidth makes it impossible to stream HD video on mobile devices whereas dynamic transcoding delivers both smooth live video streaming and instant access to HD (1080p) images when needed, regardless of available bandwidth. Combined with the video security app, users are allowed access to camera controls, live video streams and HD images via a mobile device anytime and from anywhere. It also enables you to instantly retrieve the correct video data from hours of recorded material. The new MIC IP 7000 HD family is fully supported by dynamic transcoding in combination with either one of the Bosch Divar IP recording solutions or a Bosch Videojet transcoder.

To reduce storage costs and network strain the new MIC IP starlight 7000 HD and MIC IP dynamic 7000 HD cameras feature intelligent dynamic noise reduction (IDNR). The benefit of this intelligent technology is that it leads to bandwidth only being used when needed.



 For more info about the products, contact the suppliers directly by looking in the Security Buyers Guide on page 54

 The suppliers web site is linked to the global security web portal, www.securityworldhotel.com

Avigilon spotted a man in this



who was caught



and identified by his



Meanwhile, analog identified



Only our high-definition surveillance solutions give you the full story. Identify incidents quickly and enhance response times with the superior image detail of an Avigilon end-to-end system. See how Avigilon can help your organization at avigilon.com/casestudies

The top three images were shot with an Avigilon 29 MP HD Pro camera. The fourth image was shot with an analog camera.

avigilon

Vivotek launches new box cameras

Vivotek has launched two new professional box network cameras – the *IP8155HP* and *IP8165HP* offering 60 fps at 1.3 megapixel resolution and 60 fps at 2 megapixel resolution respectively, delivering superb image quality.

Both cameras are designed with WDR technology. The *IP8165HP* delivers WDR Pro, while the *IP8155HP* is equipped with the even more advanced WDR Pro II, which provides extreme visibility under high contrast environments with a 4-shutter capture method. Combined with 3D noise reduc-

tion technology, *IP8155HP* and *IP8165HP* are able to capture clear, polished video under low-light conditions and reduce bandwidth from sensor noise. In order to control the iris with extreme precision, both cameras are designed with a P-iris lens with its built-in stepper motor. Through close integration with the camera firmware, the lens is able to keep the iris opening at an optimal level at all times.

More uniquely, in order to help installers to adjust the focus of these cameras more easily, the RBF



IP8155HP, IP8165HP professional box network cameras.

(remote back focus) system has been introduced on both cameras, ensuring precise focus adjustment. In addition, incorporating the EIS (electronic image stabilisation) function allows the image to be free of turbulence whenever physical shaking of the camera is detected.

Steve Ma, Executive VP at Vivotek, stated, "In response to the strong market demand for cameras with high visibility under any kind of conditions, we are keeping our commitment to the development of WDR series cameras in different form factors. Right after the launch of a series of dome and bullet type network cameras earlier this year, now we have our box type network cameras with advanced WDR technology, meeting our customers' diversified demands."

swb

Axis' first 4K camera – in compact bullet-design

The **Axis P1428-E** Network camera is the top-of-the-line model in the compact Axis P14 Series. With 4K technology, it offers the latest generation of HDTV standards and features a resolution four times higher than HDTV 1080p. The new Axis P1428-E is designed for overlooking large areas like parking lots and public squares, while also being able to capture fine details.

Axis Communications are launching their first 4K resolution camera, Axis P1428-E. The 4K standard is defined and approved by the International Telecommunication Union (ITU) and



The new Axis P1428-E Network Camera features 4K resolution, see camera clip.

offers a video resolution of 3840 x 2160 pixels at 30 frames per second. The Axis P1428-E network camera is the top-of-the-line model in the compact Axis P14

Series, designed for outdoor and demanding indoor environments. The Axis P14 Series consists of seven network camera models ranging from HDTV 1080p to 4K allowing customers to select the camera that best meets their specific requirements and budget, offering efficient and reliable video surveillance in any environment. The new Axis P1428-E offers a number of value adding features such as remote zoom and focus, a built-in slot for micro SD/SDHC/SDXC memory cards and I/O connectors for interfacing with external devices.

"An important factor in the

development of this first Axis 4K camera was to bring the new industry standard into a product series intended to be implemented into practical use from day one. Initially, it is likely that most customers will be using a standard HDTV monitor. 4K makes it possible to enhance any portion of the screen without losing details. To manage bandwidth consumption, users can view the live video stream in HD 1080p and take advantage of 4K recordings for forensic purposes", says Erik Frännlid, Director of Product Management, Axis Communications.

swb

Fingerprint scanner SDK for Android

Suprema, Inc. is releasing a fingerprint scanner software development kit (SDK) for the Android operating system (OS).

The new SDK is specially designed for use with Suprema's latest fingerprint scanner, the *Biomini Slim*. It assures the same powerful performance as the test-proven SDK for desktop computers. For instance, like the SDK for desktop computers, the SDK for Android also enables mobile devices to capture fingerprints under harsh environmental conditions as well as direct sunlight of up to 100,000 LUX.

With a high speed of 15fps

(Frames Per Second), the new SDK supports a live preview in the verification process, designed to make the *Biomini Slim* apply to an even wider range of applications. Suprema believes it is the first developer to provide a live preview function on mobile devices in the ID solutions market.

Alongside the launch of the new SDK, Suprema has also revealed a free of charge mobile Android app for product demonstrations for *Biomini Slim* users. The app provides a rich and intuitive user experience in Suprema ID solutions, including product and technology information, as well as



the product demo. Anyone using an Android device can download the app at the Google Play Store.

"As is the case with

other applications, tablets and smartphones are replacing desktops or notebooks as a platform to collect and verify biometric identity. In the near future, we expect to see even more integration of biometrics and mobility." Said Young S.

Moon, Vice President of Suprema Inc. "Suprema expects the new SDK for Android will offer strong support in growing the biometrics and ID solutions markets."

Biomini Slim maintains the highest standards by receiving both FBI-PIV and mobile ID FAP 20 certifications. It has a rugged IP65 rated dust and waterproof form factor while maintaining a sleek ergonomic design, and is equipped with Suprema's latest 500dpi slim optical sensor and large platen for easy and reliable fingerprinting, as well as Suprema's LFD (live finger detection) technology.

■ For more info about the products, contact the suppliers directly by looking in the Security Buyers Guide on page 54

swb The suppliers web site is linked to the global security web portal, www.securityworldhotel.com

PowerSeries

**A Powerful Legacy Built on
Reliable Performance.**



PowerSeries. Continually expanding and improving to offer the ultimate in wide-spectrum security solutions.

PowerSeries keypads range from basic 8-zone models to exceptionally user-friendly touchscreens and 64-zone LCD full-message keypads with built-in wireless receivers. With zone expanders, wireless receivers and transceivers and a variety of modules geared towards system expansion, PowerSeries is equipped to be your security system of choice now and in the future.

Time-tested security solutions by DSC.

WT4989 2-Way Wireless Key are compatible with PowerSeries via TR5164-433
WS4913 Wireless CO Detector is compatible with PowerSeries v4.5+

For more information:
Call: +44 208 750 5660
Email: emeasales@tycoint.com
Visit: www.dsc.com

© 2014 Tyco Security Products.

DSC
From Tyco Security Products

IR fisheye camera from Hikvision

Hikvision is set to reveal its latest addition to the company's portfolio – the *DS-2CD6362F-I(S)(V)* 6M IR fisheye network camera. This 6M IR fisheye features a 1/1.8" progressive scan CMOS sensor to provide high-resolution images of up-to 3072 x 2048, 30 frames-per-second, and a 1.19 mm fisheye lens for a 360° panoramic view.

A 3M model of the WDR fisheye network camera is also available – the *DS-2CD6332FWD-I(S)(V)*. This 3M model features a 1/3" progressive scan CMOS sensor, 120 dB WDR (wide dynamic range), and streams video of up-to 1536 x 1536 resolution at 30 fps.

It's all about seeing more with just one camera than with multiple cameras. Case in point, a single 6M/3M IR fisheye network camera does the work of multiple cameras

in both indoor and outdoor surveillance environments. Hikvision's fisheye is designed to capture images from every corner of a particular location and eliminate blind spots with only its single camera. Both models are equipped with IR functionality, offering up-to 15m IR distance of visibility under low or even zero-light conditions. Features such as these make both fisheyes a great choice for detailed coverage of wide, open areas like airports, shopping malls, parking lots, retail stores, offices, restaurants, classrooms, and more. Furthermore, a state-of-the-art housing unit and IP66 rating protect the camera against outdoor elements like rain and dust, and allows it to confidently withstand temperatures ranging from -30°C to 60°C.

The 6M/3M IR fisheye network camera supports multi-



IR fisheye camera from Hikvision.

display (several viewing) modes, including the aforementioned 360° overview (in 6 megapixel resolution and 3 megapixel resolution, respectively), a horizontal panoramic view, PTZ quad window, and PTZ multi-window modes. Customers can also utilise this smooth PTZ functionality to easily zoom, and focus, on any region of interest (ROI).

Multiple streaming – MJPEG and H.264 – video compression formats are supported. Additionally, these cameras feature multiple H.264 compression profiles, allowing users to optimise bandwidth and storage without compromising

image quality. Furthermore, supporting ONVIF, PSIA, and CGI standards, both fisheye models offer the ability to easily integrate with other video surveillance equipment and systems.

Other features include a built-in micro SD/SDXC slot (with a total capacity of up-to 64Gb), a DI/DO interface to connect to alarm devices for further security control purposes, and an inbuilt high-quality audio intercom that allows two-way communication.

To further benefit the users, Hikvision has launched a fisheye camera and IP PTZ dome camera combo which elegantly provides a panoramic's 360° surround view while offering the capability for a detailed regional view from a speed dome; a solution designed to monitor wide areas in the great detail. 

Raytec illuminators with PoE

Winner of the 'Ifsec Best CCTV System of the Year', **Raytec's** range of *Vario* network illuminators has now been extended to include PoE capability and 4 new model sizes in both infrared and white light.

PoE capability allows for a much quicker and more cost effective lighting installation. Vario IP PoE illuminators can be easily integrated onto an existing network infrastructure, with no local mains connections or special electrical labour required.

Operated via an integrated



Vario IP PoE illuminators.

web interface or VMS, Vario IP PoE allows for quick and easy remote set up, commissioning, operation and maintenance of the lighting scheme from anywhere on the network 24/7. Users have full control over their lighting at

all times to respond to live events in real time, triggering lighting to deter crime, or altering light settings in response to operational changes for the best CCTV images and safety at all times.

An API is available for seamless VMS integration, allowing quick and easy operation of the lighting within an overall security system. A new HTTP API is also coming soon to allow for IP lighting via simple HTTP commands.

Vario IP PoE can be controlled individually or in groups and

triggered on demand via a variety of other network devices e.g. cameras/detectors, and scheduled using a timer for activation only when needed, to reduce electrical consumption even further.

The Vario family of illuminators claims a number of industry firsts including Vario IP PoE – the first ever CCTV illuminator to integrate into a VMS, and it is now further strengthened with the addition of new specialist solutions such as Vario Hybrid, Vario Lighthouse Kit and Vario D-Zoom. 

Direct IP integrates with Immix

Idis has completed the integration between its total surveillance offering, *Direct IP* and *Sureview's Immix CS/CC* video centric alarm monitoring platform, which correlates and manages unlimited video and other security systems alarms into a single unified platform.

Idis customers can now harness the power and high-performance of Direct IP surveillance through their partner alarm receiving centres, central stations or in-house command centres.

The integration enables es-

sential Direct IP video surveillance features from the Immix platform, including live view with multi-layout, playback, two-way audio with remote alarm notification and instant video verification.

Brian Song, Managing Director, Idis Europe, commented, "We are committed to ensuring Direct IP customers realise industry-leading performance together with a low cost of ownership. The integration with Immix achieves this by allowing for a more cost



effective and streamlined approach to managing and monitoring multiple security alarms through one user interface.

"In addition, with the Immix platform deploying across an increasing number of alarm receiving and remote monitoring centres, customers can now migrate to

Direct IP surveillance and benefit from industry-leading HD quality video in the control room."

Chris Eckersley, Sales Director at Sureview, added, "The integration with Direct IP demonstrates our commitment to offering our customers the most innovative and powerful technologies in the market. Direct IP offers industry-leading full-HD performance delivering tangible benefits to a wide range of businesses." 

 For more info about the products, contact the suppliers directly by looking in the Security Buyers Guide on page 54

 The suppliers web site is linked to the global security web portal, www.securityworldhotel.com

Visit Kentima at security essen 2014

Hall 9 Stand 9-342



- Video Management Software
- HMI/SCADA Software
- Industrial Computers
- Operator Panels



Mobotix expands thermal imaging line

Mobotix has introduced the new thermal sensor modules for the S15D, being the first thermal devices to use Mobotix in-house dual flexmount video cable technology. This is available with all S15D upgraded to software version MX-V4.2.1.43.

The flexible video cabling, weatherproof design and tiny footprint allows the two S15D thermal sensor modules to be installed into any location up to two metres away from a single S15D core unit. The advantage of using thermal sensor modules is that they can visualise heat radiating from vehicles and persons, for the purpose of accurate movement detection up to 400 metres away from the camera, even under the most challenging lighting and environmental conditions.

The Mobotix M15D and S15D dual lens cameras come as standard with Mxactivitysensor a



state of the art intelligent motion detection software. When enabled in the thermal camera, Mxactivitysensor registers movement without artificial lighting in pitch black conditions and during the day time, with stunning accuracy.

"Mobotix has re-engineered conventional thermal camera technology so that you can do more in a wider range of applications," said Dr. Ralf Hinkel, Mobotix founder. "As with all of our products, we are committed to quality and this is why we can guarantee an average MTBF of 9 years on all of our thermal sensors."

The new S15D thermal sensor modules are encased in a special

housing made of aluminium and stainless steel, allowing the module to be securely fastened to surfaces without additional mounts. As with all Mobotix products, the thermal devices are made in Germany. The thermal sensor modules are built for continuous operation in extreme conditions, with an impressive quoted *MTBF of 80,000 hours.

Mobotix thermal sensor modules have a sensor value of 50 mK, which places them in the premium range of thermal cameras currently available for commercial use. The devices are all weatherproof – M15D (IP66), S15D (IP65) and S15D thermal sensors (IP65).

The S15D thermal sensor modules are sold separately and available in three different focal lengths MX-SM-Thermal-L43 with a horizontal image angle of 45°, MX-SM-Thermal-L65 with a horizontal image angle of 25° and

MX-SM-Thermal-L135 with a horizontal image angle of 17°.

The Mobotix M15D thermal sensors are factory fitted in the following camera models and also available in the same three options of focal lengths. The S15D thermal sensor modules cannot be fitted to the M15D.

Mobotix believes it has brought unprecedented energy efficiency to its thermal camera range. For example the S15D, when fitted with two thermal sensor modules uses an incredibly low 7 watts of power and can be easily powered via a standard (IEEE 802.3af) Power over Ethernet power supply.

Mobotix thermographic cameras are designed to detect thermal radiation of objects in a temperature range from -40 °C to +550 °C/-40 °F to +1022 °F, which is invisible to the naked eye.

 **CCTV** 

Simonsvoss launches Smartintego

With the system integration solution *SmartIntego*, **Simonsvoss** have made connections to existing complex access control systems easier than before, as the system component auto-configuration in the Smartintego Manager ensures that there is far less work involved in component integration compared to most other systems.

Of all technologies deployed in buildings, security technologies are of particular crucial significance. Systems for fire and burglar alarms, video surveillance and access control contribute enormously to people's security and safety. To reduce complexity amalgamation of different systems are on the increase. In buildings such as hospitals, universities, public authorities equipped with several office doors and conference rooms, an extensive access control system is often already installed, usually a card-based system with an online access control station. Access authorisations are stored there and also secure the classic offline card reader. With the development of Smartintego

Simonsvoss provides an ideal solution to handle system integration into already existing access control systems. Smartintego consists of the electronic components locking cylinder, door fitting Smarthandle and Gatewaynode.

Oliver Quaisser, Sales Director for Smartintego, describes the Simonsvoss system integration product: "For many building operators, equipping an entire building with card readers and wiring them is too costly, too complex and in some cases due to building specifications simply not possible. Card readers are normally only employed for outside doors or safety-relevant doors. In other cases, the doors are equipped with mechanical systems and keys. To replace these mechanical systems, Simonsvoss is offering a cost-effective overall solution with Smartintego, which seamlessly integrates into the existing access control system, providing a fast return on investment." With this new product line Simonsvoss targets the leading international system integrators.



The electronic locking cylinder – Smartintego and electronic door fitting Smarthandle – Smartintego supports the transmission standards of all conventional card formats such as Mifare Classic, Mifare Plus, Mifare Desfire/EV1, Legic Advant UID, HID Iclass UID and Mifare UID. Installation is performed without any cables and drilling. With a battery life of up to 80,000 locking operations in online mode, the components do

not require any maintenance for several years.

The Gatewaynode – Smartintego ensures the perfect connection between the digital locking cylinder or Smarthandle and the central building security control system. As an intermediary device between the intelligence in cylinders and door fittings on the one hand and the access control system on the other, the Gatewaynode ensures seamless cooperation between peripheral devices and the security software. A series of unique characteristics transform the radio-based hub with an RS485 and TCP/IP interface into an exceptionally powerful access manager. Each Gatewaynode is capable of handling up to 16 locking devices. Thanks to its highly developed internal components, it is able to transmit so-called white lists with up to 250 entries from the access control system to the peripheral devices and keep them up to date. This ensures optimum flexibility, even in offline mode.



 For more info about the products, contact the suppliers directly by looking in the Security Buyers Guide on page 54

 The suppliers web site is linked to the global security web portal, www.securityworldhotel.com



Surveillance You Won't Even Notice

The Best Solution to Protect Your Store



Cloth Shop



Fast Food Restaurant



Convenience Store



Jewelry Store

Ultra-mini Design Network Cameras

- 1.3 MP / 2 MP
- H.264 / MJPEG
- Flexible Installation Options
- 15 fps @ 1920x1080
- Built-in MicroSD/SDHC/SDXC Card Slot
- Easy Installation
- 30 fps @ 1280x720

ESS Bogotá, Columbia
20-22 August, 2014

Booth No.:
116, Hall 11

IFSEC Southeast Asia
Kuala Lumpur, 3 - 5 Sept 2014

Booth No.:
K519

security essen 2014
Essen, Germany, 23 - 26 Sept 2014

Hall 2, Booth
No. 332

VIVOTEK INC.

6F, No.192, Lien-Cheng Rd., Chung-Ho, New Taipei City, 235, Taiwan, R.O.C. | T: +886-2-82455282 | F: +886-2-82455532 | E: sales@vivotek.com | www.vivotek.com

Search for: IB8156, IB8168, FD8156, FD8168

Updated version of Arecont's panoramic camera

The **Arecont** Vision Surround-video 12MP WDR 360° camera is designed to deliver superior wide area coverage even in the most challenging lighting conditions. The ultra-compact camera's unobtrusive design makes it ideal for numerous applications both indoors and outdoors.

"The new **AV12366DN 360°** WDR panoramic camera is the perfect complement to our hugely successful **AV12186DN 180°** ver-



sion released last year," said Raul Calderon, Senior Vice President, Arecont Vision. "These versatile 12MP panoramic cameras provide clear images from wide dynamic to nighttime conditions."

Arecont Vision's WDR tech-

nology delivers a dynamic range of up to 100dB at full resolution without lowering frame rates. By combining long and short exposures in the same field of view, WDR maximizes the amount of detail in both bright and dark areas of a scene. The WDR performance of Arecont Vision cameras represents up to 50dB improvement (300X) in dynamic range compared to most conventional cameras, according

to a press release from Arecont.

The panoramic camera has four image sensors inside the unit. Each sensor provides 2,048 x 1,536-pixel resolution for a total resolution of 8,192 x 1,536-pixels. True mechanical infrared (IR) cut filters optimise performance in low light. The camera's dome housing is IP66 environmentally rated and IK10 impact resistant.

swb

Unique PTZ speed dome from Samsung

Samsung Techwin has strengthened its family of open platform WisenetIII cameras and domes with the launch of the **SNP-6320**, marketed as the World's first 2MP full HD 32 x optical zoom PTZ speed dome.

In addition to its powerful 32 x optical zoom, the ONVIF compliant SNP-6320 is also equipped with a 16 x digital zoom making it an ideal IP network based video surveillance solution for airports, ports, car parks, industrial estates and retail parks, as well as a wide range of other environments where high performance PTZ functionality is required.

"The SNP-6320, together with the vandal-resistant and weatherproof SNP-6320H, which incorporates a heater that is powered by PoE+ to allow it to operate in extreme weather conditions, represent a significant addition to our extensive range of open platform WisenetIII 1.3, 2 and 3 megapixel IP network cameras and

fixed domes," said Tim Biddulph, Product Manager for the Security Solution division of Samsung Techwin Europe Ltd. "Collectively they are enabling Samsung Techwin to change the way you work with IP. One of the key reasons for this is the open platform capabilities of the WisenetIII DSP chipset which provides users with complete freedom to choose their perfect combination of video analytics and video management software (VMS) to best match their individual requirements."

The enhanced wide dynamic range built into the WisenetIII DSP chipset, with performance greater than 120dB, can accurately produce images in scenes that simultaneously contain very bright and very dark areas. The SNP-6320 and SNP-6320H's other key features include defog which can improve the clarity of images captured in poor weather conditions such as rain, smoke or fog and digital image stabilisation, which negates



SNP-6320.

the effects of vibration. Both are specifically important in the perimeter protection environments such as ports and airports. The models also feature bi-directional audio that allows them to be interfaced with local PA systems. All of these features have been designed to save installation time and cost.

The SNP-6320H and SNP-6320 can capture high quality colour images when the lighting level is as low as 0.03 Lux and have an ultra fast frame rate of 60fps at 1080p allowing the domes to send multiple streams at multiple frame rates and resolutions, depending on the receiving device, e.g. recorder, viewing

software or mobile app. This can be particularly beneficial at sites where different stakeholders are involved. Samsung's WisenetIII utilisation of bandwidth friendly H.264 compression improves the network control latency of the domes, making the manually tracking of objects simple and straightforward.

A built-in SD/SDHC/SDXC memory slot provides the opportunity for authorised users to remotely access and download video that has been recorded onto a memory card.

The new models are also equipped with intelligent video analytics (IVA) which can assist in the detection of activity by various means, such as face detection, tripwire and enter/exit direction, object appear/disappear and 'tampering', which creates an alert if paint is sprayed on a camera lens or there is unauthorised movement of a camera away from its usual field of view.

Full HD offers 60 fps and light sensitivity of 0,01 lux

The 3 series fixed network dome cameras from **Panasonic** are capable of capturing images in HD and full HD, with double the images of real time (60fps), to catch every detail in every type of light.

Suited to a range of indoor and outdoor surveillance applications, the 3 series are IP-Nnetwork friendly, meaning they are compatible to be used with monitors, recorders or smartphones. Because it



The 3 series fixed network dome cameras from Panasonic.

supports four transmission modes (constant bitrate, frame rate, best effort and advanced VBR), the 3-series allows a flexible network design suitable for multiple applications.

The 3 series enables clear and easy identification of people within the image, even in high contrast scenes and backlight situations.

Gerard Figols, Marketing Manager at Panasonic, said, "Even a single image can include multiple, complex lighting conditions. So we've incorporated the latest image sensor technology, combined with multi-process noise reduction (MNR). This

results in a high sensitivity of 0.01 lux in colour and promises exceptional image quality, even in challenging light conditions."

"The combination of high resolution and high frame rate makes the indoor cameras ideal for leisure and banking. Rapid moving objects such as people moving cards in casinos, bills in the bank or a number plate on the road can now be tracked and surveyed effectively."

■ For more info about the products, contact the suppliers directly by looking in the Security Buyers Guide on page 54

swb The suppliers web site is linked to the global security web portal, www.securityworldhotel.com



NEW PRODUCTS *from* **Asia**





NEW PRODUCTS from Asia



1Megapixel 720P Water-proof HDCVI IR-Bullet Camera

Model No: DH-HAC-HFW1100R

- 1/2.9" 1Megapixel CMOS
- 3530fps@720P
- High speed, long distance real-time transmission
- Day/Night(ICR), AWB, AGC, BLC, 2D-DNR
- 8mm fixed lens (3.6mm optional)
- Max. IR LEDs length 20m, Smart IR
- IP68, DC12V



4/8/16CH Tribrid HDCVI & Analog & IP 2U DVR

Model No: DH-HCVR7804/7808/7816S

- Tribrid: Each channel supports HDCVI/Analog/IP Video input
- 1080i/720p/NTSC simultaneous video output, 1 HDMI separate output
- HCVR7804/7808/7816S All channel Max 1080P
- Up to 1080p real-time live view
- H.264 dual-stream video compression
- 4/8 channel synchronous real-time playback, GRD interface & smart search
- Support Multi-brand network cameras: Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CF Plus, Dynacolor, Honeywell, Panasonic, Peeco, Samsung, Sanyo, Sony, Videotec, Vivitex, and etc.
- ONVIF Version 2.2 conformance
- 3D intelligent positioning with Dahua PTZ camera
- Support 8 SATA HDDs up to 32TB, 1 eSATA up to 16TB, 4 USB2.0
- Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS



Dahua Technology Co., Ltd

Address: No. 1199, Bin'an Road, Binjiang District, Hangzhou Zhejiang (310053)

Tel: +86-571-87688883

Fax: +86-571-87688815

Email: overseas@dahuatech.com Website: www.dahuasecurity.com



Day & Night 3MP HD Auto Focus IP Camera



- Full HD 3.27 megapixel CMOS image sensor
- True H.264 AVC/MPEG-4 part 10 real-time video compression
- H.264 and Motion JPEG multi-profile video streaming
- Auto Back Focus function
- 3D noise reduction (MCTF) / 2D WDR function
- Digital PTZ supported
- Face / tampering / audio / motion / alarm detection
- Day & night (IR cut removable)
- 2-way audio supported
- Built-in highly sensitive microphone
- Digital I/O: 1 in, 1 out
- ONVIF supported
- RS-485 supported



3MP WDR Fisheye Network Camera

Model No: Hikvision

DS-2CD6332FWD-I (V)(S)



- 3MP image sensor
- True WDR, up to 120dB
- 360° view angle with multiple viewing modes
- Up to 15m IR range
- Built-in microphone & speaker
- Audio/Alarm I/O / RS485(-S model)
- IP66(-V model)
- IK10 vandal proof(-V model)

MERIT LILIN ENT.CO., LTD.

Address:

No.20, Wugong 6 Road, Wugu District, New Taipei City, Taiwan 248

Tel: +886 2-22989077

Email: sales@meritlilin.com

Fax: +886 2-22989077

Website: www.meritlilin.com



Hikvision Digital Technology Co., Ltd.

Address:

No.700 Dongliu Road, Binjiang District, Hangzhou 310052, China

Tel: +86-571-88075998

Email: overseasbusiness@hikvision.com

Fax: +86-571-89935635

Website: www.hikvision.com



IP Cameras with 4G

Provideo is Your Solution Provider

PROVIDEO has the most professional R&D team in Taiwan who is able to provide you the IP products with G. LPR systems, Mobile DVR with 3G/4G/GPS, PC based & embedded NVR systems and Multi-CMS systems total solutions. All products are made by ourselves which including the HW, Linux FW, Windows AP & CMS. Additionally, We are welcome you to cooperate with us in OEM/ODM business relationship.



IP Cameras with 4G

Our main strength is you can just give us a very simple hint what you want, we will design you a professional, suitable solution with reasonable price. It will be more efficient to save your time and money.



PROVIDEO CO., LTD.

Address:

6F, No. 2 Alley 8, Tzu-Wei Lane, Chung Cheng Rd., Hsin Tien Dist. New Taipei City, Taiwan, R.O.C.

Tel: +886-2-86672008 (Rep.)

Fax: +886-2-86671733

Email: sales@provideo.com.tw

Website: www.provideo.com.tw



Network Video Recorder

Model No: VS-4116U-RP Pro+



- Powered by the Intel® dual-core processor and 4GB of memory
- Delivers high performance at a throughput rate of 250 Mbps to ensure stable recordings and smooth playbacks of multiple megapixel cameras
- The 4-bay rackmount VS-4116U-RP Pro+ is designed for the SMB segment with the features of robust performance
- Solid reliability and high-definition local display
- It can support up to 16TB of storage capacity, with 4TB on each hard drive respectively, to accommodate high quality H.264, MPEG-4, M-JPEG, and MxPEG recording videos
- Supports local display via an HDMI cable, with up to 180 fps Full HD 1080p local display by hardware decoding
- GPIO supported: Alarm in/8 / Out/2

QNAP Systems, Inc.

Address:

3F., NO. 22, Zhongxing Rd., Xizhi District, New Taipei City, 221, Taiwan (R.O.C)

Tel: +886-2) 2641 2000

Email: nvr@qnap.com

Fax: +886-2) 26410555

Website: www.qnapsecurity.com



All things are difficult before
they are easy.

HDCVI –the First Analog HD Easy Upgrade to HD and Cost Saving

- Video Frame Rate- 25/30/50/60fps@720p, 25/30fps@1080p
- Long-distance Transmission- 500m(RG59)/700m(RG6)
- UTP Transmission Distance-200+m
- Tri-brid (HDCVI, IP, Analog) Available
- 3 signals (Video, Audio, Control) in 1 Cable
- HDcctv Alliance AT 2.0



Recommended models:

720P/1080P Water-proof IR HDCVI Camera
HAC-HFW2100S/2200S

4/8/16CH Tribrid HDCVI & Analog & IP 2U DVR
HCVR7804/7808/7816S

1.3Mp HD HDCVI PTZ Dome Camera
SD63120I-HC

720P/1080P Water-proof IR HDCVI Mini Dome Camera
HAC-HDW2100S/2200S

4/8/16CH Tribrid HDCVI & Analog & IP 1.5U DVR
HCVR7404/7408/7416L

1.3Mp HD HDCVI IR PTZ Dome Camera
SD6C120I-HC

CE FC CCC UL RoHS ISO 9001:2000



23–26 Sep 2014
Essen, Germany

Booth: 2.0-104, Hall 2



Sep 29 – Oct 1, 2014
Atlanta

Booth: 3251



04 – 06 Nov 2014
Paris, France

Booth: L81

DAHUA TECHNOLOGY CO., LTD.

No.1199 Bin'an Road, Binjiang District, Hangzhou, China. 310053

Tel: +86-571-87688883 Fax: +86-571-87688815

Email: overseas@dahuatech.com

www.dahuasecurity.com

www.dahuasecurity.com





dahua
TECHNOLOGY

Eco-Savvy Series

Presents Enhanced Models

- Save maximum 75% bandwidth — 1080 real resolution but equivalent to D1 resolution storage space
- Ultra low illumination — Outstanding performance even in the low-lux scenarios
- Stable & efficient system — Dual system backup & long working time
- Saving 50% power consumption
- Smart IR infrared tech provides smooth night view
- Core ISP technology

Recommended models:

2Mp Full HD Network
Small IR-Bullet Camera
HFW4200E

2Mp Full HD Network
Water-proof IR-Bullet Camera
HFW5202C

2Mp Full HD Water-Proof &
Vandal-Proof IR Network Dome Camera
HDBW5202

2Mp Full HD Network
Small IR Dome Camera
HDBW4200E



CE FC CCC UL ISO 9001:2000



23–26 Sep 2014
Essen, Germany

Booth: 2.0-104, Hall 2



Sep 29 – Oct 1, 2014
Atlanta

Booth: 3251



04 – 06 Nov 2014
Paris, France

Booth: L81

DAHUA TECHNOLOGY CO., LTD.

No.1199 Bin'an Road, Binjiang District, Hangzhou, China. 310053

Tel: +86-571-87688883 Fax: +86-571-87688815

Email: overseas@dahuatech.com

www.dahuasecurity.com



THE PERFECT MATCH



Why stop at software?

Combining its award-winning video management software with high-performance hardware, Milestone Systems now offers the Milestone Husky™ series, available in three models – use one as a simple standalone or connect multiple models and choose from more than 50 options for a truly customizable and scalable solution.

The series is compatible with thousands of cameras and supports Milestone services such as free Customer Dashboard to enable your installer to monitor the health of your system and proactively resolve technical issues. Milestone Husky appliances make it easy to find a configuration to meet the needs of any surveillance solution!

Learn more: www.milestonehusky.com

 milestone **HUSKY™** SERIES
Video surveillance your way

Asia and the Far East has been the security technology supply "factory" for the global market since before the nineties due to the low manufacturing costs in the region. But lately, these Asian companies have been demonstrating that they can make a big difference in the security technology market by performing in other areas aside from just their "factory". Today, several Asian companies have become well known international brands and are challenging the leading European, American and Japanese brands on the security market.

Detektor has met up with some of these companies that have already made an impact and are growing fast on the international scene, to discover their views and motivations.

Dahua – a fast growing giant from China

With sales of \$882 million in 2013 Zhejiang Dahua Technology Co (Dahua) is one of the world's largest manufacturer of video surveillance equipment. Detektors Editor-in-Chief has made a visit to the headquarter in Hangzhou to find out how the company views their role on the global security market and what trends and challenges they see for the future.

By Lennart Alexandrie

In a few years time China has become a very strong exporting nation of video surveillance products. The reasons for the success are many. A steady and fast economic growth, governmental support for exporting companies and cost efficient man power in combination of resourceful educational infra-structure are some reasons. A very important factor is of course the gigantic domestic security market in China. For Dahua, the world second biggest provider of video surveillance equipment, according to IHS, the revenue from sales at the domestic market stands for \$602M of the company's total revenues of \$882M.

R&D in the center

Dahua's headquarter is located in the beautiful province of Hangzhou, just an hour away from Shanghai (with the fast train). The area is very much a center of China's manufacturer of video surveillance products. Dahua started off as a producer of DVRs and NVRs. This product segment was for a long time dominating their business. Now, the growth comes from sales of cameras.

With 6,000 employees, where by more than 3,000 professionals are part of the R&D team, the human resources are impressive. Today Dahua is the second biggest manufacturer of video surveillance

equipment in the world and has a stunning capacity. In one month the factory can produce 250,000 analog and IP cameras, 200,000 DVRs, 25,000 NVRs and 28,000 speed domes.

But how does Dahua keep up with the product development?

"We keep on investing and building strong R&D capabilities for new technology and innovation. The investment in R&D is almost equivalent to 10 percent of our sales revenue every year", says Marketing Director Tim Shen.

55 percent growth

Even though Dahua is a fairly new player on the international market, the company has already offices or sales representatives in Asia, the Americas, Europe and Oceania. For the European market the company has established a logistic center in Netherlands. And with continues strong growth the company will increase their physical presence on different markets.

According to Tim Shen, Dahua had a growth of 55 percent in 2013. For this year (2014), the growth is about 20 percent after the first six months.

Today the total export sales is \$280M and geographical wise the Asia Pacific /Middle East markets has the largest share, followed by Europe, Africa, Latin America and North America.



According to the CEO of Dahua, Mr Fu Liquan, compare to 2013 the company expects to double the sales by 2015.

– We have been weaker in North America but this year this market is coming on strong, explains Tim Shen.

Invented HDCVI

Dahua started as an analogue video surveillance product manufacturer. But now the sales of IP products are catching up and represents a share of 40 percent. However Dahua have also continue to develop analogue products and the company have also developed and launched their patented HDCVI concept. HDCVI means High Definition Composite Video Interface and has become an over-coaxial-cable analog HD video transmission standard. The technology renders two HD video formats, 1080P (1920x1080) and 720P (1280x720) by progressive scanning. Why have Dahua taking the lead in this technology in a time where IP technology are for sure about to replace analogue systems?

"We also think IP is an important trend and we do invest a lot in this sector to refine our product line. The reason why we develop HDCVI is to offer an easier way to upgrade the existing analogue system, to accelerate the development of HD. It is our pursuit to provide HD experience at an analog price," answers Tim Shen who also is eager to furthermore explain the benefits with this technology.

"HDCVI features easy upgrade to HD, long-distant transmission, no latency and three signals over one cable, providing a new approach for customers to experience HD and accelerates the popularity of HD. As the supplier of the technology we deliver a simple way to realize HD".

When it comes to Dahuas production and sales in the surveillance camera segment, the IP units have already passed the analogue models by far. However the HDCVI have given the boost to the sales



Dahua's manufacturing capacity is stunning. In one month the factory can produce 250,000 analogue and IP cameras, 200,000 DVRs, 25,000 NVRs and 28,000 speed domes.

of analogue cameras. A glance at this year's first six month reveals that the sales of IP camera accounts for 31 percent while analogue cameras stands for 23 percent, which is the double quantity compared with previous year, because of the big sale of HDCVI products.

Drives for growth

An interesting question is of course how Dahua is looking on the business ahead. How will the growth look like? According to the CEO of Dahua, Mr Fu Liquan, compare to 2013 the company expects to double the sales by 2015. Furthermore he gives his view on the company's product strategy for the nearest future.

"IP solution will still be the mainstream and we will continue to refine this product line, including fixed lens and vari-focal IP cams, intelligent IPCs as well as those for ITS sector. Meanwhile, I believe that HDCVI will have a great potential in the years to come as it is not only meet the demand for HD but also has its unreplaceable advantages, like offering an easier way for analog users to have HD experience at analog price," states Fu Liquan who also points out what he think are the trends that will have the

strongest impact on the growth.

"High definition is undoubtedly one of the main trends, and we can see that the life span of a new product or technology become much shorter compared with days before, I mean, previously, a new technology will be active for like five years, but now, just around one year. And another result brought by this trend is that the price will come down and become more affordable", says the CEO of Dahua and adds on "intelligence" as another important trend.

"Products with intelligent functions will become more practical. And the IVS functions will vary further according to different vertical markets. For example, the needs between mobile markets and retail are totally different, so what we do is to differentiate the intelligent functions and to make them more customized".

Fu Liquan mentions also a third trend that he think will have a big impact on the growth.

"The rise of network and big data provides more opportunity to home-use security market, and the industrial crossover makes things more integrated, for example, the video door phone integrates video surveillance, alarm, access control and home automatic all together".

Mr Liquan was also expressing his view on what is the biggest challenges for Dahua, the security technology market in general and for the video surveillance market in particular?

"For Dahua, we will invest more on localization, and one important approach for that is to build local offices, because by doing this, we can better understand the local market and their demand and thus to provide more instant and good services".

Heading for high-end market too

Product wise Dahua will focus on IP video products, but also to complete their HDCVI portfolio, from cameras, DVRs, NVRs as well as HDCVI optical transmitters, adapters and matrix products. Another specific focus area which Dahua believes in will have a great impact on the growth is IP-embedded analytics, according to Tim Shen.

Chinese manufacturers are usually strong in the market for low-end products. However Dahua see themselves as a supplier of both low-end and mid-end products.

"We are shifting to mid end and moves also towards the high

end market, but it will take some years before we get there. Right now the mid-end market is our focus", says Tim Shen.

Security as a Service

A trend among IP-video product suppliers is to get into the access control market in order to increase their offer to the market. IP-video surveillance product suppliers like Axis, Genetec and even Milestone Systems are among the companies that are offering something to the access control market. Does Dahua believe in access control as a possible way to increase business?

"Yes, we believe in access control as a possible growth, but also in alarm systems. The market is looking for total solutions," says Tim Shen, who sees the trend towards Security as a Service and the demand for cloud service solutions growing.

"We are already offering solutions cloud service in China and we will of course be able to offer it to the markets in west as well in the future. Cloud based service solutions for video surveillance, but also alarms and access control will become common in the future, especially in the low end and mid end segments", concludes Tim Shen. ■

Chairman of ONVIF believes in access control

The open industry forum ONVIF was founded in 2008 to develop a standard for the interface of IP-based physical security products. It started with IP video but since December, there is also a Profile C for access control.

"We hope and believe that the success of IP video will be spread to other product categories", says ONVIF chairman Per Björkdahl.

By Henrik Söderlund

Axis, Bosch and Sony took the initiative to start ONVIF six years ago. Today, the organisation has nearly 500 members, and they account for 98-99 percent of the market according to Per Björkdahl from Axis, who has been the chairman of ONVIF since September 2012.

"We have set a vision that all security systems will share a common interface in the future..."

The first ONVIF profile was called Profile S and it included IP cameras and video surveillance products.

"The members make suggestions for new profiles and historically, there has been a fairly close relationship between video surveillance and access control. We have been working on a specification for access control called Profile C, and it has gone through all the phases and was released in December 2013. At ISC West in Las Vegas in April we will have our own booth where it will be shown for the first time", says Per Björkdahl.

ONVIF made a very strong impact on the security industry with the IP video profile. Does access control have the same potential?

"It is difficult to predict, but those from ONVIF who are behind this initiative are hoping for the same success as with IP video. Access control has historically been a much more closed world and many large companies have invested heavily in systems with a lot of hardware and where non-interoperability has been one of the selling points. Here we will see

a shift. Communication does not become less safe because systems are not closed, it is rather the opposite thanks to modern security approach."

Will you be able to leverage on the success with the standard for IP video when it comes to access control?

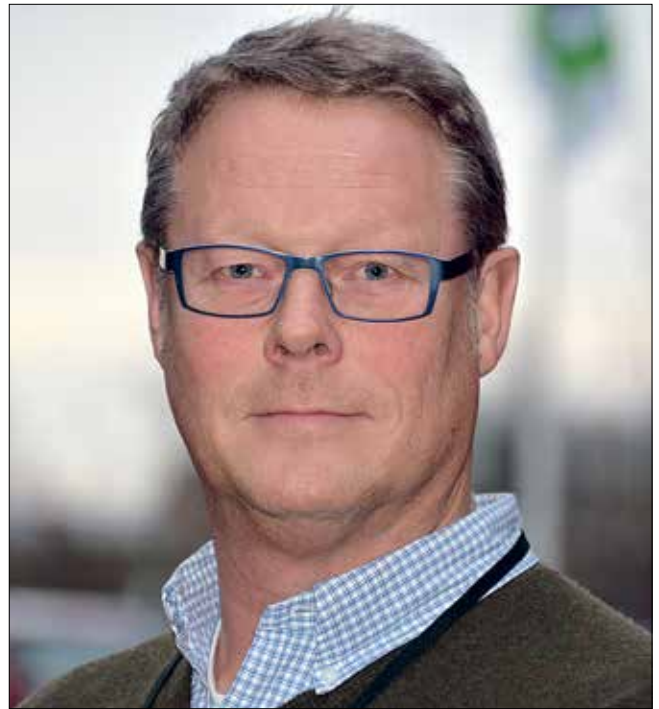
"We hope and believe that the IP video's success will be spread to other product categories. We have a new vision for ONVIF – it is that all security systems will be sharing an interface in the future, much like you see on the internet. ONVIF's mission is to provide and promote an interface that provides both functionality and simplicity for its users."

When will there be a standard for alarms?

"The members will decide when they want to go in that direction and it does not necessarily have to be members from the alarm industry who take the initiative. For example, there are many IP video companies who have an interest in access control. A lot of the major members are involved in the alarm industry even though they joined ONVIF because of the standardisation of IP video. It is very likely that there will be a standard for alarms in the future and it is also desirable from a standardisation point of view."

But you are waiting for members to put forward suggestions for that?

"Yes, but we are already busy with requests from members today. There are no separate groups with their own agenda or a committee that says let us do it now. We must respond to what the market requests."



Per Björkdahl, Chairman of ONVIF

Will there also be a standard for storage?

"Yes, we are working on a profile called Profile G. It will simplify storage in networks and make it easier for NVRs with more advanced storage functionalities. The profile was supposed to be launched in December, but was not ready. Instead it will be launched in June 2014. There are other requests from our members, for example to make interoperability easier, a bit like IT products in general, and of course, additional features for access control, but it is not clear yet. Another idea is that we will look at a device profile that is tied to integrate the device with ONVIF rather than which features it contains."

Is it difficult to agree within ONVIF?

"I would say that it is relatively easy, but it should be remembered that a standard is always a compromise. The work is quite slow even if it is significantly faster within ONVIF than in other official standardisation. Obviously, the ambitions among members vary but since we agree jointly, we will always find a level that suits all members."

Do you think you get enough

attention from the industry?

"We would like to get more attention on how useful the profiles are. There are quite a lot of opinions left from earlier days suggesting it is not so easy to get the specifications to work. And if it does not work the first time you try, often you do not want to give it a second try. It has been two years since we introduced profiles and we have worked very hard to be able to get that second chance."

What is your goal?

"We have set a vision that all security systems will share a common interface in the future and our mission is that more and more people use our standard to achieve that vision. Our desire is also to attract interest from the alarm industry."

Will you ever be "finished"?

"We will ensure that new products will fit together, and we will ensure that it works on a basic level. ONVIF does not intend to compete with producers; we need to let innovation evolve, because otherwise there would be no commercial reasons for companies to continue to innovate. We must not undermine the will to bring good products to the market. We will never be finished." ■

Ethiris®

Video Management Software



A Truly Open and Flexible Platform

- Large scalability for various applications
- Smart and cost-effective license model
- Easy to use - Configuration wizard
- High functionality - Alarm & Event
- Powerful with built-in script engine
- Fast integration with other security systems
- High reliability - Redundancy
- Extensive language support

Visit Kentima at security essen - Hall 9 Stand 9-342



- Video Management Software
- HMI/SCADA Software
- Industrial Computers
- Operator Panels



www.kentima.com info@kentima.com



The nominees for the Detektor International Awards 2014

The Detektor International Award was introduced in 2000 to reward manufacturers of products and services that stand up to the criteria of outstanding innovation and contribution to the advancement of the security industry.

On the 15th of October the prize ceremony for Detektor International Award 2014 will take place at the Stockholm International Fair.

The Detektor International Award is an independent prize, which means that companies cannot apply to have their products nominated. Instead, the nomination process is conducted by the editorial board of Detektor. This selection criteria is the main reason why it has become one of the most prestigious awards in the global security market.

For 2014 the following products are nominated:

The Alarm & Detection Category



- **PowerSeries Neo**
from **DSC, Tyco Fire & Security** (Canada)
Hybrid intrusion alarm system.



- **VESDA Laser Quantum**
from **Xtralis** (Ireland)
Aspirating smoke detection solution.



- **R-Touch 50, 15"**
from **RCO Security** (Sweden)
Alarm control panel with touch screen for graphic presentations of intrusion or fire alarm systems.



- **Thermal camera FC series R**
from **Flir Systems** (USA)
Thermal camera.

The Access Control Category



- **Milestone Xprotect Access Control Module**
from **Milestone Systems** (Denmark)
Module for access control embedded in a VMS system.



- **Aperio Premium Escutcheon**
from **Assa Abloy** (Sweden)
Wireless access control.



- **AXIS A1001**
from **Axis Communications** (Sweden)
Network door controller.



- **Zwipe Access**
from **Zwipe** (Norway)
Contactless smartcard with on-card fingerprint enrollment and authentication.

The CCTV Category



- **Arecont AV12366DN**
from **Arecont Vision** (USA)
Panoramic 360 degree network camera.



- **Axis Q1615**
from **Axis Communications** (Sweden)
Network camera with WDR - Forensic Capture.



- **Bosch Security Cloud Service**
from **Bosch Security Systems** (Germany)
IT infrastructure solution for video surveillance services.



- **Samsung SNP-6320 Dome camera**
from **Samsung Techwin** (Japan)
32x 2 megapixel PTZ indoor camera.

The Detektor International Award Jury

The jury consists of eight members from three continents: Europe, Asia and America. The criteria for a product to be nominated for a Detektor International Award encompasses not only the technical solution but also the packaging and over all presentation of the product, which actually could equally as well be a service.

The three product categories for the awards are Access Control, Alarm and Detection, and CCTV. The overall winner in each category will receive the Best Product Award; the second receives the Highly Commended Award and the third place winners will be presented with the Innovative Achievement Award. ■

Fiber Optic Solutions for Security & Surveillance, Networking and Industrial Applications

Industrial grade, modular design
Analog, HD-SDI and IP video over fiber



Video (analog, 960H)
HD Video (SDI, DVI, HDMI, VGA)
Data (RS485/422/232)
Audio/Stereo
Ethernet
Contact Closure
Telephone



HD-SDI Video Fiber Converter Fiber Optic Video Multiplexer Media Converter Data/Audio/CC/Telephone Fiber Converter SDI to HDMI Converter/SDI Distributor

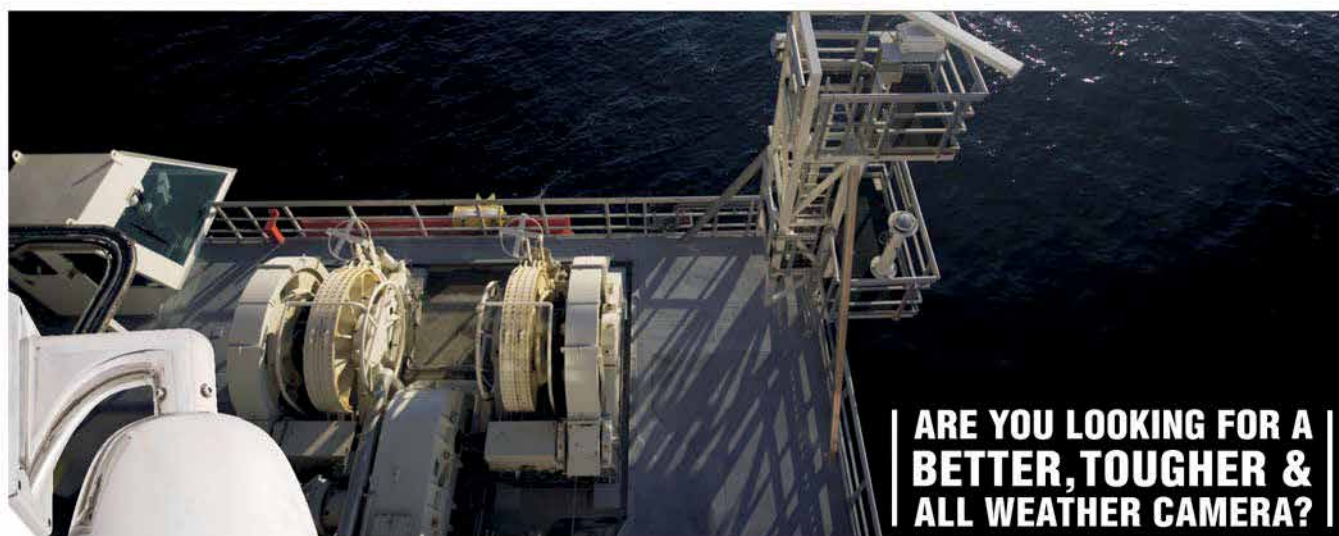


OB Telecom Electronics Co., Ltd

Address: 17F, Jiangong Building, No. 25 Wenshan Road, Hangzhou, 310012, China
Tel: +86-571-85373132 Fax: +86-571-85394930
E-mail: everest@obtelecom.com www.obtelecom.com



2014 Security China
October 28-31, 2014 Beijing, China
Booth: #E2F16



**ARE YOU LOOKING FOR A
BETTER, TOUGHER &
ALL WEATHER CAMERA?**

The new G70STHD Series

- G70STHD Series of PTZ Speed dome
- Sony HD Module with Exmor™ CMOS sensor
- Full-HD (1080p) capable and ONVIF certified
 - IP68 Weather & Lightning proof
 - Marine grade Stainless Steel housing & accessories
 - Intelligent temperature control



Driving network video through global standardization

Well, look no further!

The Stainless Steel Speed Dome from VIDO.AT just got more better. Introducing the new G70STHD, Stainless Steel Speed Dome series with Full-HD and ONVIF. The G70STHD is an all weather Speed Dome camera with long-term value and is excellent for use in outdoor situations.

**Tough, Reliable and Outstanding Surveillance
On and Off shore**



VIDO.AT
CCTV Manufacturer
Vido Electronic Vertriebs GmbH

Tel: +43-1-958269820 | E-Mail: sales@vido-europe.com | www.vido.at



Ifsec – a successful return to London

After 22 years in Birmingham the Ifsec International security exhibition, organised by UBM Live, returned to London, where the event was held at the Excel London from 17th–19th June 2014. The return to the UK capital can certainly be marked as an immediate success.

 More than 40,000 attendees flooded through the doors of the event, which, under the umbrella title of Protection & Management 2014, brought together Firex International, the Facilities Show, Energy & Environment Expo, Safety & Health Expo and Service Management Expo, all alongside Ifsec International.

Protection & Management 2014 opened the show with a record breaking first day as 19,544 visitors swarmed into the halls, a huge increase of 23 per cent on 2013, demonstrating that this is the go-to place for sourcing the latest products and innovations and discovering expertise across security, fire, facilities, safety and energy. More than 1,700 exhibitors showcased their latest solutions and offered visitors the chance to get hands-on with interactive features.

Almost 23,000 visitors

Ifsec International attracted 22,627 total attendees which breaks down as a 5.2 per cent increase in visitors, 29 per cent

increase in end-users, and 37 percent of visitors attending from overseas. Alongside the increase in these key visitor groups, Ifsec International also maintained UK visitor numbers as the show took place in the capital city. Businesses looking to expand into UK export markets benefitted from the distinct volume of international visitors, and took advantage of the UKTI Events Alliance being present at the show for the first time.

Increased security budgets

Visitor buying demographics proved that budgets in 2014 have increased, with a significant 32 per cent of attendees having a budget in excess of £1 million and 10 per cent have a budget greater than £10 million. Overall budgets have increased by 8.6 per cent, demonstrating the growth that the security industry is currently experiencing. Stand out trends from visitor interest included an increase in demand to see the latest innovations around; integrated security, intruder alarms, physical security and perimeter protection. →



John Baker, Dave Duffy, Nicolas de Laminne de Bex represented the Belgian company Automatic Systems.



The Korean company Idis had a large stand to display their HD surveillance solutions.



Vivotek's Chairman and Executive VP Owen Chen and Steve Ma met up with Asha Chang, Sales Manager for AR Media International's Asian operations.



Lilin showcased its products for IP solutions.



Francisco Fuster and Beatriz del Aguila from Bunker Seguridad visited Mike Burgess at the Takex stand.



Avigilon exhibited. Dean Brazenall Senior Director of Sales EMEA and Jane Dotsenko Marketing Manager EMEA was present in the stand.

TAKEX

180° DUAL-ZONE OUTDOOR PIR

TWIN BEAMS

Protect entrances, windows, and wall lines at distances up to 100m outdoor / 200m indoor

QUAD BEAMS

The ultimate in trouble free perimeter detection for distances up to 200m outdoor / 400m indoor

CEILING PIR

PA-6800 series PIR's combine a discreet compact appearance with outstanding performance

BATTERY PIR

Create temporary or permanent secure systems in difficult-to-cable-to areas, or where there is no mains power.

OMS-12FE

Up to 180 degree coverage
Fixed sensor heads
3-12m coverage
Enable/disable left or right zones
9-28VDC
20mA (max)
Front and back tampers

MS-12FE

Up to 180 degree coverage
Adjustable sensor heads
2-12m coverage
Rotating sensor heads
12-30VDC
40mA (max)
Front tamper
Independent left/right zone control
2sec-5min adjustable relay timer
AND/OR detection modes

One of the biggest concerns with using external PIR's is activations caused by animals (both wild and domestic), for this reason TAKEX has produced the 'Dual-Zone' PIR, combining a horizontal curtain with a downward curtain, both of which need to be activated simultaneously for an alarm. With a range of up to 12m x 180° these sensors are perfect for use in both domestic and industrial applications.



TEL : +44 (0)1256 475555 | FAX : +44 (0)1256 466268 | EMAIL : sales@takex.com | WEB : www.takex.com

New PERIDECT+ on Security Essen fair, 23.- 26.09.2014, Hall 4 - Stand 211

Exact perimeter detection system protecting premises and areas against unauthorized intrusion.

PERIDECT+



INNOVATION

NEW MODEL

SIEZA

www.sieza.com

SIEZA, Ltd., Štúrova 1282, 142 00 Prague 4, Czech Republic
Tel.: +420 241 727 870, e-mail: sales@sieza.com



87 per cent of floor plan booked

More than 87 per cent of the floor plan has already been rebooked for 2015, with returning exhibitors including: Tyco, Xtralis, Axis Communications, Milestone, Canon, CSL Dualcom, BT Redcare, Pelco, Paxton, Pyronix, Texcom, Avigilon, Risco, UTC, Idis, Y3K, Bosch, Salto, Assa Abloy, TDSI plus many more.

Safe Cities Conference

Ifsec International 2014 marked the launch of the Safe Cities Conference as the first conference and exhibition dedicated to the security requirements of a city rather than its individual components. Dedicated content and case studies for London were presented to help shape the contribution and interaction from other global mega cities around the security challenges they face. The conference is supported by UK Government and endorsed by the Mayor of London.

Education centres

In addition to Safe Cities, visitors to Ifsec International were able to benefit from six dedicated education theatres located across the show floor. Visitors were able to gain insight into the hottest topics of 2014, theatres included: Ifsec Global.com Centre Stage showcasing the biggest names in the industry, ipAssured Education Zone, Smart Buildings Theatre, Convergence Solutions Theatre, Tavcom Training Theatre and the Risk & Security Management Theatre.

Gerry Dunphy, Event Director for Ifsec & Firex International, claims that Ifsec International 2014 has gone above and beyond everyone's expectations as he commented on the event at Excel.

"We set the bar high and wanted to demonstrate that this is the next chapter of Ifsec. Response from both visitors and exhibitors to the new venue, features and education has been hugely positive. We've already made a great start towards 2015 with 87 per cent of the floor plan booked and look forward to welcoming everyone back next year."

Ifsec International 2015 takes place from 16th – 18th June at Excel London. ■



The Raytec team was busy presenting their IR lightning products for video surveillance systems.



Marketing Manager, Adlan Hussein from Computer Network Limited (CNL) was present at the show.



KBC Networks exhibited their secure transmission solutions for security and surveillance networks.



Ali Mahmoud, Director and Stuart Hibberd Sales Director at Castel were caught on camera.



Tamron, the Japanese manufacturer of lenses, was exhibiting. Sales Manager Koji Masunari enjoyed the event with sales representative Abdi Tekin Sales.



Ian Moore and Kevin Coulson from UK based Elmdene Int. Ltd.



The alarm product manufacturer Pyronix welcomed many of visitors.



Spica International from Slovenia exhibited their product line within access control.



Dutch manufacturers Nedap launched their access control line, but were also prepared for the football matches in the world cup.



Optex Europe exhibited. Aude Desbrieres Marketing Manager and Mark Cosgrave Export Manager were present in the stand.



Ely Maspero and Michela Severgnini from March Networks being introduced to both existing and potential customers to show their different video surveillance solutions.



Genetec was very satisfied with the visitors coming to their stand during the show.



Neil Evans, Senior Product Manager met up on the stand with Aitor Gauna Marketing Manager of Tyco.



Marie Kemsball from Xtralis had some happy days with colleagues during the Ifsec show.



The UK based company CSL Dualcom an M2M communication specialist displayed their different solutions for secure alarm transmission. Christian Eriksson, Country Manager for Sweden and Vicki Smith, the Marketing Manager were both happy with the attention they received from visitors from all over the world.



- manufacturer of perimeter protection systems

PRESENTS NEW GENERATION DETECTORS

MICROWAVE DETECTORS FORTEZA PC

-  Set up using PC
-  High resistance to interference
-  Independent 4 channels
-  Network addresses
-  Warranty 3 years

FENCE PROTECTION SYSTEM FORTEZA TRIBO-M

-  Set up using PC
-  High resistance to interference
-  Independent 4 channels
-  Network addresses
-  Warranty 3 years



www.forteza.com



vario^{iP}
network illuminators



Full Lighting Control Anytime, Anywhere

rayTEC[®]

www.raytecctv.com



Report from Secon and e-Government Information Security Solution Fair

South Korean two-in-one security event attracted 38,000 visitors

Secon 2014 International Security Conference & Expo 2014 and e-Government Information Security Solution Fair 2014 were hosted from March 12th to 14th in Seoul. According to the organiser this two-in-one security event ended in success with the total attendance of 38,000 visitors, the highest number ever for the events.



The International Security Conference & Expo 2014 and the e-Government Information Security Solution Fair 2014 was hosted whilst the attention of all the Koreans was firmly fixed on security issues. This was due to the continuous information leakage from the website for the doctors' association, KT, TMON and three telecommunications companies. As a result these shows provided a target of immense interest for visitors as they were able to experience everything about security, ranging from information leakage prevention solutions to video image security systems all on one site.

Secon 2014 is Korea's only specialised integrated security exhibition where visitors can experience all kinds of solutions for achieving a safer society and for ensuring a secure digital everyday life with information protection solutions, video image security systems, access control systems and measures to protect personal information plus visitors were able to experience anti-terrorism equipment and intelligent traffic safety systems.

Great support from government

In particular, these exhibitions were even more meaningful since security related institutions and organisations sponsored them including related organisations such as the Ministry of Science, ICT and Future Planning, the Ministry of Security and Public Administration, the Ministry of Trade, Industry and Energy, Gyeonggi and autonomous regional entities along with other security related organisations and institutions such as Electronics and Telecommunications, the Korean Association of Industrial Security Technology, Korea Council of Chief Information Security Officers.

The International Security Conference & Expo 2014 caught the attention of the visitors as the number 1 and 2 security companies in Korea, S1 and ADT Caps, respectively, participated by occupying large exhibition stands to showcase their latest cutting edge security equipment and integrated security solutions.

Active security end users

During the e-Government Infor-

mation Security Solution Fair, the Ministry of Security and Public Administration and Gyeonggi introduced various types of guidelines and measures for realising safe e-government and demonstrated with outstanding case studies on e-government information protection on dedicated PR stands at the show. Through these methods, practical guidelines were produced on a working level for security related professionals. In addition, this was considered an excellent opportunity to compare information protection solutions and to experience them directly in line with the launch of the e-government projects. Security buyers from government offices and public institutions participated as a joint sponsor for this event and participated in large numbers to attend lectures on various security issues, and to hold discussions on the many issues that may arise when adopting different security solutions.

Success

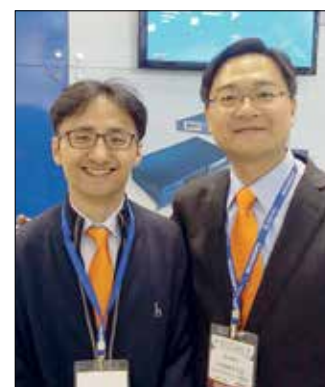
The organisers concluded that Secon 2014 and e-Government Information Security Solution Fair 2014 ended in a success on the 14th March having had 38,000 visitors in attendance. This joint event has consolidated its position as a very important forum for security professionals to gather together to discuss all types of security issues and to search for security solutions. ■



AR Media International exhibited to promote Detektor magazine and SecurityWorldHotel.com.



Calvin Wong, Sales Director of OT Systems Ltd was seen with June Jeon, Sales Manager and Jack Watt, Marketing Director of Kevis International.



Bright Choi, Senior Manager of Advantech (Korea) and Leonard Liu, Business Development Senior Manager of IVS Division Advantech (HQ, Taiwan) enjoyed being at Secon to promote their products.



How do I leverage previous investments?

Prioritizing security within your organisation can be a real #securitychallenge. That's why you want to be sure that investments in security are future-proof.

We thrive to help you
solve your #securitychallenge.
So, visit us on stand 3.612, Security Essen.



SICURIT Perimeter Protection Systems



DIGITAL MICROWAVE INTRUSION LINK
With advanced DSP technology and IP network capability



Compliance with:

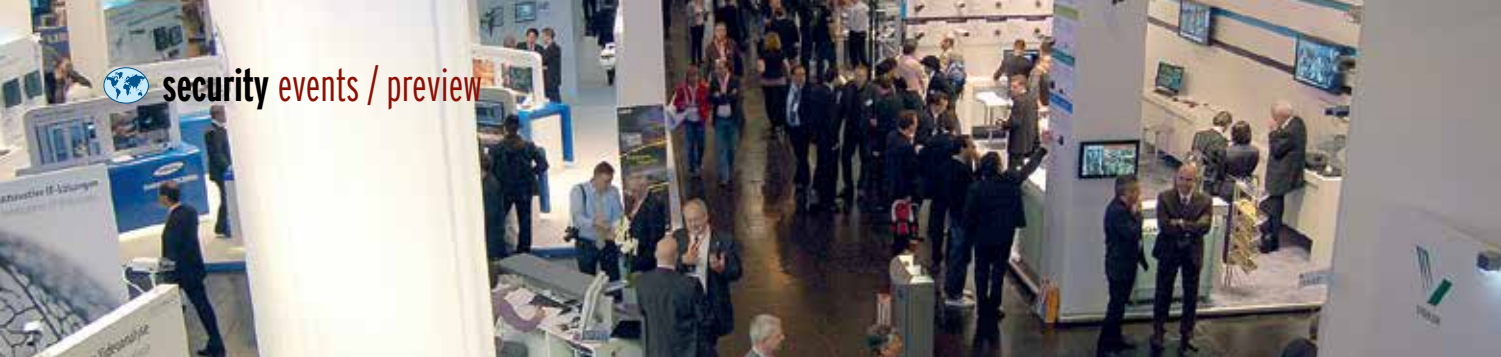


**IP/RS485
INTERFACE**

- Remote DAVE configuration and diagnostic
- O.C. expansion boards available for HW integration
- GEUTEBRÜCK GeViSoft compliance
- Additional 4IN/4OUT available



Find out more at www.sicurit.com



Security Essen, 23–26 September

The global shop window for security products and solutions

Security Essen has become Europe's most important fair for the security trade industry. This year's edition will be held on the 23rd to 26th of September at the Essen Messe exhibition grounds and will play host to more than 1,000 exhibitors from all over the world.

Everything from fire prevention and cyber security to physical security will be displayed on the 85,000 square metre exhibition area. Approximately 40,000 security professionals from more than 100 different countries are expected to visit the exhibition, which make Security Essen a true platform for international business.

Security Essen – covers all!

Security Essen's 12 halls represent everything that security stands for. However for most international visitors the attention will be focused on electronic security products related to video surveillance, access control and alarm systems. Detektor has compiled a short list of the products on display.

Video surveillance



• **Kentima**, from Sweden, will focus on some exciting new features in their forthcoming new version of the VMS system *Ethiris 7.0*. The company will demonstrate how quickly Ethiris can be integrated with other security systems and how to use the HMI/SCADA software Widequick to create a total security platform," comments Kent Nilsson, CEO of Kentima.

• **Axis Communications** will display the *Axis P1428-E*, the top

of the range model from the Axis P14-series and the first network camera with 4K resolution, according to Axis. 4K corresponds to a video resolution of 3840 x 2160 pixels at 30 frames per second. The Axis P1428-E is suitable for overviews of large areas such as car parks or public grounds and can simultaneously capture the finest details accurately. Accordingly, it offers immense potential for forensic purposes.



Axis P1428-E.

This is accompanied by the new version 4.0 of *Axis Camera Station*, a complete solution for video surveillance and recording for small and medium-sized projects. With the experience of 50,000 installations around the world, Axis has demonstrated with the Axis Camera Station 4.0 software that a video management solution can be both powerful and user-friendly.



Fujinon DV2.2x4.1SR4A.

• **Fujifilm** will launch the *Fujinon DV2.2x4.1SR4A* security camera lens – the first varifocal lens to support a 6 megapixel high resolution

(4K). When mounted on a high resolution security camera, the Fujinon DV2.2x4.1SR4A can capture and record security footage with the finest detail at the high resolution of 6 megapixels. The focal length of this lens can be adjusted from anywhere between 4.1mm and 9mm (2.2x zoom ratio) when the camera is installed to support security monitoring from various angles. Its day/night design that supports near-infrared wavelengths gives the lens an ability to capture clear high-resolution footage even at night for broad applications both indoors and outdoors.



• **Dallmeier** will be bringing the Panomera show truck, in which the latest models of their patented multifocal sensor technology will be presented live, representing a suitable solution for comprehensive surveillance of expansive areas. Contrary to single-sensor cameras, the multifocal sensor technology supplies a guaranteed constant resolution of at least 125 pix/m. This makes it possible to monitor large areas and distances from one single location, achieving this in real time with consistent resolution, higher dynamics and full depth of focus.



Grundig new 960h analogue DVR.

• **Grundig** will show their new 960h analogue DVR range, which provides comprehensive functionality for CCTV applications of all sizes and complexity.

The DVRs can also be used in the same system as Grundig IP-based NVRs, when co-ordinated and controlled by Grundig GCMS central monitoring software. This allows installers to use analogue and IP cameras together in a hybrid system. Installer benefits include enabling cost-effective, analogue cameras to be fitted in positions where full HD resolution is not required and simple and easy upgrading from analogue to IP cameras.

The GCMS software allows remote access to the Grundig DVRs for set up and configuration. The DVRs use a Linux operating system and share the same user interface as the NVRs. The Internet Explorer web browser allows live viewing, playback, search, backup and remote configuration and Grundig's GR Viewer app is also enabled for convenient viewing by iPhone or Android smartphone.



RC3402HD-6311IR.

• **Riva** will show their new compact dome camera, the *RC3402HD-6311IR*. It is especially suited for indoor usage, while the new mini-bullet camera *RC6702HD-6311* is designed for indoor and outdoor applications. The small dome includes 14 IR LED's; whilst the mini-bullet camera has 16 IR LED's. Thus, both are ideally suited for day and night usage and achieve an illumination distance of up to 20m. Furthermore, both compact cameras have a variable focal lens of 3-9mm and a motorised focus and zoom control.



The **smart link** to fire safety



Networked Security & Safety Solutions by Bosch. IP-Ethernet technology for scalable panel network structures. This also includes IP-interfacing for Fire and Voice Alarm systems. Visit us at the "security" in Essen, Germany, hall 3, booth 3.0/409.



BOSCH
Invented for life



Is visual CCTV camera cheaper than thermal imaging camera ?



NO!!!

With over 20 years' experience of thermal imaging, DALI could offer a reliable and lowest cost surveillance solution per kilometer in totally darkness and bad condition, compared to normal visual surveillance system.



PROFESSIONAL THERMAL IMAGING PRODUCTS MANUFACTURER

Uncooled Focal Plane Array Detector
Thermal Imaging Camera
Thermal Imaging System

New



DLD-J

New



DLS-LDM

New



DLS-S

ZHEJIANG DALI TECHNOLOGY CO.,LTD

Add: 639 Binkang Road, Hangzhou, P.R.CHINA, 310053

Tel: +86-571-86695699 Fax: +86-571-86695600

www.dali-tech.com E-mail: dalisales@dali-tech.com



BX100.

• **Indigovision** will show their BX100 four channel encoder, designed to be part of an ideal package for migrating mid-range DVRs to IP. The BX100 is engineered to be the gateway for mid-range installations to an HD ready, future-proofed security system.



Vario IP PoE.

• **Raytec's** range of Vario network illu-

minators, have now been extended to include PoE capability and four new model sizes in both infrared and white light.

Operated via an integrated web interface or VMS, Vario IP PoE allows for quick and easy remote set up, commissioning, operation and maintenance of the lighting scheme from anywhere on the network 24/7. Users have full control over their lighting at all times to respond to live events in real time, triggering lighting to deter crime, or altering light settings in response to operational changes for the best CCTV images and safety at all times.

Vario IP PoE can be controlled individually or in groups and triggered on demand via a variety of other network devices e.g. cameras/detectors, and scheduled using a timer for activation only when needed, to reduce electrical consumption even further.

Alarm & detection



Multisensor detectors.

• The **Siemens Building Technologies** division will exhibit its new portfolio for monitoring explosion-hazard areas. The company will present new products

for fire detection, for example for labs, storage rooms in processing plants, refineries and chemical companies. The new portfolio consists of multisensor detectors, a safety barrier and a manual call point.

The multisensor detectors are deployed in explosion-hazard areas of zones 0/1/2 (gas). According to Directive 99/92/EC, these zones are areas in which a hazardous, explosive atmosphere can occur continuously, occasionally or temporarily as a mixture of oxygen and combustible gases, vapours or mist. The multisensor detectors for these areas detect smoke and use the dependable and deception-proof ASA technology (Advanced Signal Analysis) for maximum reliability. All detectors are individually addressed to enable exact localisation of an emerging threat – so that response teams can intervene fast and precisely where they are needed.

Access control



Mykey.

• At Security Essen 2014, **Conlan**, from Denmark, presents **Mykey**, a compact universal digital access reader. With its humble span of 50 x 50 x 8 or 50 x 76 x 8 mm Mykey is one of the smallest access control readers on the market.

Based on open protocols, the unit is designed to communicate effortlessly with most security installations. Aside from the keypad for pin code use it also includes traditional proximity reading (Mifare/Desfire) with the capacity to manage personal info and payment etc in one single card. Through Bluetooth it can also read from a phone or small tag attached to clothes, watches and wheelchairs etc. Furthermore it can read fingerprints and offer fast recognition regardless of the number of users.

• **Assa Abloy** will showcase their **Aperio range**, now featuring battery-powered locks, cylinders, and escutcheons for online or



Aperio L100.

offline integration. It includes the new **Aperio L100** lock with Pinpad, which offers optimum protection for security doors, transmits door status information to the access control system, and provides multi-level authentication via a card reader and Pinpad.

Security Essen also sees the launch of the next generation of Aperio electronics. The new release delivers multiple innovative features – including faster communication speeds from hubs and locks to the access control system in real-time – without cutting the 2-year lifetime of lock batteries.

Assa Abloy are also showcasing the latest innovations by Smartair from Keso, an affordable, out-the-box wireless access control system designed for small premises. Smartair enabled organisations can secure and manage up to 30 doors in a wireless access control system via update-on-card.



Smartintego from Simonsvoss.

• **Simonsvoss** will demonstrate their

new system integration solution **Smartintego**. With this product Simonsvoss have made connections to existing complex access control systems easier than before, as the system component auto-configuration in the Smartintego Manager ensures that there is far less work involved in component integration compared to most other systems.

In buildings such as hospitals, universities, public authorities equipped with several office doors and conference rooms, an extensive access control system is often already installed, usually a card-based system with an online access control station. Access authorisations are stored there and also secure the classic offline card reader.

Smartintego supports the transmission standards of all conventional card formats such as Mifare Classic, Mifare Plus, Mifare Desfire/EV1, Legic Advant UID,

HID Iclass UID and Mifare UID. Installation is performed without any cables and drilling. With a battery life of up to 80,000 locking operations in online mode, the components do not require any maintenance for several years.



Sensit Parking License app from Nedap.

• **Nedap** from the Netherlands is releasing the **Sensit Parking License** app

at Security Essen. This mobile application is a new innovation related to Nedap's Sensit system for monitoring real-time usage of individual parking spaces with ground sensors. The Sensit Parking License app enables fast and easy checking in and out at a parking bay with just one click. Administrators can manage and distribute licenses online efficiently. Nedap has prepared the app for easy integration with third party mobile parking and enforcement applications.

The technology consists of wireless parking sensors, which detect in real-time whether or not a single parking bay is occupied and how long it has been occupied. Sensit has proven to be an accurate, reliable and robust parking sensor system for on and off street parking situations. Nedap integrates its parking sensor platform with third party systems for parking guidance, traffic management and parking enforcement.

The big advantage of using an app as a parking license is the fact that logistics and maintenance are easier. Since everybody nowadays has a smartphone, apps are easily distributed. This makes the related costs for a digital license low for all parties involved.

So much more to see

The above examples of products shown at Security Essen are only a very small sample of the technology on display. What will be interesting to see, is if the event will be characterised by the ongoing migration from a product-oriented to a more service-based market. How visible will the trend towards Security as a Service (SaaS) be in the 12 halls? ■

NEED CCTV
WHERE
POWER
IS ONLY
AVAILABLE
FROM A
SWITCHED
LIGHTING
CIRCUIT?



Then the **Cyclik 2000** is for you. It will give you 16 hours coverage, then recharge for 8 hours overnight. At 2 Amps, it's available as a PSU and battery only, or as a complete remote surveillance system with IP camera, radio transmitter/receiver and power supply/battery system. And it's more cost-effective than digging up your property.

Suitable:

- For large sites,
- public authority locations,
- anywhere with intermittent Mains power.
- If you've no power during daylight hours.

Email cyclik@power-plex.com for information on pricing and packages.



**POWER-PLEX
INTERNATIONAL**



from **4 to 6**
november
2014

PARIS - PORTE DE VERSAILLES
PAVILION 1

Ask for
your free badge at
expoprotection.com

Protect your employees
and make your business
more **secure**

SECURITY & FIREFIGHTING

Protection of people, property and information



www.expoprotection.com

Follow us!



Security Events Calendar

September

 **16-20 September**
Prague Fire & Security Days 2014
Prague, Czech Republic
Venue: PVA Expo Prague
Organizer: Mascotte s.r.o.
Telephone: +420 222 353 846
E-mail: nfo@mascotte.cz
Internet: www.fsdays.cz

 **18-21 September**
ISAF 2014
Istanbul, Turkey
Venue: Istanbul Expo Center (IFM)
Organizer: Marmara
Tel: +90 212 503 32 32, Fax: +90 212 503 32 31
E-mail: marmara@marmarafuar.com.tr
Internet: www.isaffuuri.com

 **23-26 September**
Security Essen 2014
Essen, Germany
Organizer: Messe Essen
Telephone: +49-(0)201-7244-528
E-mail: franziska.goldammer@messe-essen.de
Fax: +49-(0)201-7244-448
Internet: www.security-messe.de

 **25-28 September**
Exhibition IISE 2014
New Delhi, India
Venue: Pragati Maidan
Organizer: Security Promotion Group of India
Telephone: +91-11-4510 8361
E-mail: spgi@spgi.in
Fax: +91-11-4510 8361
Internet: www.indiasecurityexpo.com

October

 **14-16 October**
Skydd
Stockholm, Sweden
Venue: Stockholmsmässan
Organizer: Stockholmsmässan
Telephone: +46 8 749 41 00
E-mail: info@stockholmsmassan.se
Fax: +46 8 749 35 05
Internet: www.skydd.net

 **15-17 October**
Sicur Latinoamérica 2014
Santiago, Chile
Venue: Espacio Riesco
Organizer: IFEMA - Madrid Trade Fair
Telephone: (+34) 91 722 53 39 / 58
E-mail: sicurchile@ifema.es
Fax: (+34) 91 722 58 05
Internet: www.internacional.ifema.es

 **19-21 October**
IFSEC & OSH Arabia
Riyadh, Saudi Arabia
Venue: RICEC (Riyadh International Convention & Exhibition Center)
Organizer: UBM
Telephone: +44 (0) 20 7921 8057
E-mail: kristan.johnstone@ubm.com
Internet: www.ifsec-osh-arabia.com

 **20-21 October**
Total Security Summit – Northamptonshire, United Kingdom
Venue: Whittlebury Hall Hotel & Spa
Organiser: Forum Events

Tel: 01992 374100
Email: a.king@forumevents.co.uk
Website: www.forumevents.co.uk

 **21-23 October**
Biometrics 2014
Westminster, London, UK
Venue: Queen Elizabeth II Conference Centre
Organizer: Elsevier
E-mail: manager@biometricsinstitute.org
Internet: www.biometrics2014.com

 **21-24 October**
Interpolitex 2014
Moscow, Russia
Venue: All-Russia Exhibition Centre
Organizer: Exhibition Companies Group "BIZON"
Telephone: (+7 495) 937-40-81
E-mail: nataliagsigma@gmail.com
Fax: (+7 495) 937-40-81
Internet: www.interpolitex.ru

 **23-24 October**
Latin America and Caribbean Security Summit 2014 – Miami, Florida, United States
Organiser: Oliver Kinross
Tel: +44 (0)207 127 4501
Fax: +44 (0)207 127 4503
Email: info@oliverkinross.com
Website: www.latinamericasecuritysummit.com

 **28-31 October**
Security China – Beijing, China
Venue: China International Exhibition Center
Organiser: China Security and Protection Industry Association
Tel: +8610-68731710
Fax: +8610-68730788
Email: secu_chinashow@yahoo.com.cn
Website: www.securitychina.com.cn

November

 **4-6 November**
Expoprotection
Paris, France
Venue: Paris Porte de Versailles
Organizer: Reed Exhibition
Telephone: +33 (0)1 47 56 51 74
E-mail: marie.jason@reedexpo.fr
Internet: www.expoprotection.com/en-us

 **5-7 November**
Security World Expo 2014
Monterrey, Mexico
Venue: Cintermex
Organizer: Apex
Telephone: +52 8183696660
E-mail: rguajardo@apex.org.mx
Internet: www.expomundodelaseguridad.com

 **5-8 November**
Indodefence 2014 Expo & Forum
Jakarta, Indonesia
Venue: JIExpo Kemayorab
Organizer: PT. Napindo Media Ashatama
Telephone: +62 218650962
E-mail: info@indodefence.com
Fax: +62 218650963
Internet: www.indodefence.com

 **12-13 November**
Sectech 2014
Köpenhamn, Denmark
Venue: Scandic Copenhagen Hotel
Organizer: AR Media International

Telephone: +46 8 556 306 80
E-mail: deniz.baykal@armedia.se
Fax: +46 8 19 10 11
Internet: www.sectech.nu

 **12-14 November**
Sicurezza 2014
Milan, Italy
Organizer: Fiera Milano Spa
Telephone: +39 02 4997.6255
E-mail: emanuella.crivelli@fieramilano.it
Fax: +39 02 4997.6252
Internet: www.sicurezza.it

 **13-15 November**
Security Exhibition – 2014
Nairobi, Kenya
Venue: Sarit Center
Organizer: The Avvy Group - Kenya
Tel: 020 2655911
E-mail: info@avvygroup.com
Fax: 020 7250662
Internet: www.theglobalevent.net

 **19-20 November**
All-Over-IP
Moscow, Russia
Venue: Exhibition and Convention Centre Sokolniki, pavilion 4.
Organizer: Groteck Business Media
Telephone: +7 (495) 647-0442
E-mail: lisicina@groteck.ru
Internet: www.all-over-ip.ru

 **24-26 November**
The International Security Cooperation Summit – Dubai, United Arab Emirates
Organiser: IOSI
Tel: 1.604.365.4358
Email: information@iosiglobal.org
Website: theinternationalsecuritysummit.com

December

 **2-3 December**
Transport Security Expo 2014, London, United Kingdom
Venue: Olympia
Organiser: Nineteen-events
Tel: + 44 (0) 208 947 9177
Email: pbloxsome@nineteen-events.com

 **11-13 December**
IFSEC India 2014
New Delhi, India
Venue: Pragati Maidan, New Delhi
Organizer: UBM India
Telephone: +91 (0) 11 23233975
E-mail: pankaj.jain@ubm.com
Internet: www.ifsecindia.com

2015

 **18-20 January**
Intersec 2015 – Dubai, United Arab Emirates
Venue: Trade Centre Arena and Sheikh Saeed
Organiser: Epoc Messe Frankfurt GmbH
Tel: +971 4 389 4500
Fax: +971 4 358 5511
Email: intersec@uae.messefrankfurt.com
Website: www.intersecexpo.com

Detektor International takes no responsibility for any changes to the details of the above mentioned events. Please always contact the organisers in each case to confirm the dates and venues.

Goodbye PAS Card! Hello neXus!

From October PAS Card will be changing name to neXus. For our customers this means that you will now have a one-stop shop for products and solutions within both physical and digital access.

neXus is a leading global provider of security solutions and services within the area of Identity and Access Management (IAM). The neXus concept is driven by a simple idea: The right information should be available to the right person at the right time – anywhere in the world.

Security buyers guide

Access Control



Box: 3042, 443 03 Stenkullen
Tel: 0302 680 600
Fax: 0302 680 640
Epost: info@cardkeep.se
Webb: www.cardkeep.se

CCTV



Security Tech Germany

ABUS Security-Center GmbH & Co. KG
 Linker Kreuthweg 5
 86444 Affing (Germany)
 Tel. +49 82 07 959 90-833
 Fax +49 82 07 959 90-180
 export@abus-sc.com
 www.abus.com



Bosch Security Systems BV
 Torenallee 49, 5617 BA Eindhoven
 The Netherlands
 P.O. Box 80002
 5600 JB Eindhoven
 Tel. +31 40 2577185
 www.boschsecurity.com
 Marijke.Raaijmakers@nl.bosch.com

Security Vision Systems



Kaiserstrasse
 D-67722 LANGMEL, GERMANY
 Tel +49 (6302) 9816-0
 Fax +49 (6302) 9816-190
 info@mobotix.com
 www.mobotix.com

Integrated Systems



Fatum AB
 Solkraftsvägen 12
 135 70 Stockholm, Sweden
 Tel +46 (0)8 798 1860
 Fax +46 (0)8 798 1869
 info@fatum.sew
 www.fatumproducts.comwww

Perimeter Protection



Forteza, JSC
 Tilzes str. 38, 91112 Klaipeda
 Lithuania
 Phone +370 46 441195
 Fax +370 46 412231
 forteza@forteza.com
 www.forteza.com



**outdoor protection
 our profession**
 Via Gadames 91, 20151 Milan, ITALY
 Tel +39 02 380 701
 Fax +39 02 308 80 67
 www.sicurit.com, export@sicurit.it



TAKEX Europe Ltd.
 Avary Court, Wade Rd, Basingstoke,
 Hampshire RG24 8PE, UK
 Tel +44 1256 475555
 Fax +44 1256 466268
 sales@takexeurope.com
 www.takex.com

A true EMEA publication

– can you afford to be without it?



**A one year
 subscription,
 4 issues,
 costs only 49
 Euros!**

No wonder that so many security professionals make **Detektor International** their first choice in security industry reading.

A one year subscription, 4 issues, costs only 49 Euros! Who can afford to resist such an offer?

Log into: **www.detektor.com** and subscribe today!

armedia

Connecting Security Buyers and Suppliers

AR Media International AB, Västberga Allé 32 126 30 Hägersten, Sweden
 +46 8 556 306 80, info@armedia.se, www.armedia.se

**Spread
 your word!**

ADVERTISE HERE: SECURITYWORLDHOTEL.COM

**SECURITY
 WORLDHOTEL.COM**





LILIN Network Cameras

for All of your Security Needs



Ultra Series

120fps @ 1080P

- Stunning Image Quality
- HDR (High Dynamic Range)

4K Ultra HD

- 3,840 x 2,160 pixels resolution
- WDR (Wide Dynamic Range)



Pro Series

5MP / 3MP / 1080P

- ROI (Region of Interest)
- Alarm / motion / tampering / face detection
- Quad Streaming
- High efficiency IR LED



L Series

15 fps @ 1080P

- Triple Streaming
- Infrared Cut Filter
- ePTZ & Digital Zoom
- Economic efficient



Z Series

Auto Focus feature

- 30 fps @ 1080P
- Automatically focus the camera from a distant location remotely
- Saving labor cost
- Lower time consumption



security
essen

9/23-9/26 2014
HALL2 , Nr.518

LILIN Taiwan Headquarters

• Address: No. 20, Wugong 6th Rd., Wugu District, New Taipei City, 248, Taiwan.
• Tel: +886 2 2298 8988 • Fax: +886 2 2298 9077 • Email: sales@meritlin.com • Web: www.meritlin.com

International Branch Offices

Australia | China | France | Germany | Hong Kong | Italy | Malaysia | Spain | UK | USA

「 What happens when you combine a ¹ Fisheye camera with a PTZ dome camera?

DS-2CD63 Series
Fisheye Camera



IP PTZ Dome Camera

You Get Both the **Macro** **Micro** view!

■ An Overview Wrapped Around Detailed Surveillance

Hikvision presents its Fisheye Camera and IP PTZ Dome Camera combo. This camera combo was developed with groundbreaking new technology to elegantly combine both a panoramic's 360° surround view and a PTZ for precise detail ... a perfect solution to monitor wide areas in the greatest of detail. Now, locations such as department stores, station lobbies, airports, and parking lots are both covered from a Fisheye overview and in micro detail with a PTZ zoomed onto it. Generality and precision both wrapped into one excellent solution.



23-26, Sep 2014,
Essen, Germany
Booth: Hall 2, 221



Headquarters

No.555 Qianmo Road, Binjiang District, Hangzhou, China
Tel: +86-571-8807-5998 Fax: +86-571-8993-5635
Email: overseasbusiness@hikvision.com
Technical Support: support@hikvision.com

Hikvision Europe B.V.

Parellaan 24, 2132 WS Hoofddorp, The Netherlands
Tel: +31-23-5542770 Fax: +31-23-5631112
Email: saleseuro@hikvision.com