

Detektor International Awards 2008

Axis, Bosch and iLoq awarded number one in their categories

Copenhagen, Denmark

Some 150 dinner guests at the Sectech dinner banquet in Copenhagen on the 19th of November witnessed the prize ceremony when the winners of the prestigious Detektor International Awards 2008 were announced. The eleven product finalists were chosen on the basis of both innovation and customer orientation. Winning products need to be smart as well as useful.

By Pär Isacson



Henrik Otterstedt, Bosch Security Systems, Lars Hansson, Axis Communications and Michael Szücs, iLoq, received the awards for best product in their respective categories at Sectech, Copenhagen.



This was the 9th annual Detektor International Award prize ceremony, this time held at the Scandic Copenhagen centrally located in the Danish capital. The Scandic Copenhagen was also the location for the two day Sectech expo, focused as always on security technology, where around 50 companies exhibited.

Lennart Alexandrie, CEO for AR Media, the publishing company behind Detektor magazine and several other security industry related magazines and web sites, was the master of ceremonies.

– The criteria to be nominated for a Detektor International Award embrace not only the technical solution but also the packaging and overall presentation of the product, which actually might just as well be a service. The Detektor International Awards should be viewed as a focus on continual technical development, but just as importantly they should encompass the continual progress of demands for more sophisticated packaging qualities, where the presentation of the whole concept becomes increasingly more of a priority to successfully reach the customer, Lennart Alexandrie said.

The three product categories for the awards are *Access Control*, *Alarm and Detection*, and *CCTV*.

The Access Control category

Finnish innovators **iLoq** was selected as the winner of the Best Access Control Product Award. The

product *iLoq S10* is an electronic self-powered locking solution with flexible system management options.

“We created a solution based on customer needs and demands, and I feel that we are on the right track,” said Michael Szücs, Director Sales & Marketing, iLoq Ltd, when receiving the best product award at Sectech in Copenhagen.

The Highly Commended Product Award in the Access Control category went to **TAB Systems’ Diadem Smarti** biometric reader. The *RKL55* reader from **HID** and the *RF30EM* reader from **Siemens Building Technologies Security Products** were both awarded as innovative Achievements.

The Alarm and Detection category

The *Hemi-Directional Loudspeaker* from **Bosch** was awarded with the prize for Best Alarm and Detection Product. Through its innovative design, the hemispherical speaker can cover large areas for example in warehouses and exhibition halls.

“It is nice to see that the 11 percent of our turnover we spend on research and development each year pays off,” said Henrik Otterstedt, Nordic Manager, for Bosch Security Systems.

The Highly Commended Product Award in the Alarm and Detection category went to Thruvision for their T5000 electromagnetic camera. The Galaxy Dimension alarm and access control from Honeywell was awarded as Innovative Achievement. This category only had three nominees.

The CCTV category

The glass sculpture for Best CCTV Product Award was handed over to Lars Hansson from **Axis Communications** for the *Axis P3301* network camera, a fixed dome that includes the Artpec-3 chip to create enhanced image processing and support for H.264 compression.

“It is an honour to receive this award on behalf of Axis. I want to thank our engineers, they have been working very hard with the Artpec-3 chip for a very long time,” said Lars Hansson, Key Account Manager Nordics, Axis.

The Highly Commended Product Award in the CCTV category went to **Bosch** for their *Bosch IVA 3.5* intelligent video system. The *Q22* hemispheric network camera from **Mobotix** and the *NSR-1000 Series* network surveillance server from **Sony** were both awarded as Innovative Achievements.

Three very different winners

The three winners of the Best Product Awards are very unlike each other, not the least regarding company size. Bosch Security Systems has about 10,000 employees and had a turnover of 1,391 million Euro in 2007 (the Bosch group has about 270 000 employees). Axis has about 500 employees and a 2007 turnover of about 170 million Euro. The iLoq company, working together with a network of partners and with the

production outsourced, has only ten employees.

Axis and Bosch are well established in their respective fields. Axis is generally regarded as a leader within network cameras, with, according to IMS Research figures, a market share of close to 50 percent in the EMEA region. One significant factor to have reached this position is of course innovation.

Bosch Security Systems is one of the big global manufacturers of security products, with a broad offering containing everything from CCTV systems to personal alarm solutions.

iLoq, a real niche player in this context, has this year received a lot of attention regarding the S10 locking system. Where will iLoq be a year from now?

Independent award

The Detektor International Award is the only global security industry award which cannot be applied for. The selection is based solely on product launches which have taken place over the previous twelve months. The selection of products is carried out by an international jury comprising of eleven independent security industry professionals. These facts make the Detektor International Award both unique and very prestigious.

The next Detektor International Award will be presented at Sectech in Stockholm in October 2009. ■



THE OVERALL
WINNER

BEST ALARM & DETECTION PRODUCT



Hemi-Directional Loudspeaker.

The jury's comment:

"With coverage of a full 600 square metres for one Hemi-Directional Loudspeaker, Bosch Security Systems offers a cost effective high quality voice alarm function, with additional opportunities to reproduce music and announcements, which further justifies an investment in this product. Stunning in its simplicity and advanced technology at the same time."



BOSCH

Invented for life



THE OVERALL
WINNER
BEST CCTV PRODUCT



Axis P3301.

The jury's comment:

"AXIS P3301 is the powerful answer to the market demand for a feature-rich surveillance camera able to offer an outstanding picture quality, in full frame rate or individually optimised for different quality needs and bandwidth constraints. This is a truly winning concept for a wide range of video surveillance applications."



• The Access Control Product Category



The Overall Winner!

Best Access Control Product



iLoq S10 electronic locking solution, iLoq Ltd (Finland)



iLoq S10 is an electronic self-powered locking solution with flexible system management options.

The innovative electronic locking system iLoq

S10 integrates modern mechatronics (mechanical and electronic engineering), communication and software technologies, to enable a new level of high-security throughout the lifetime of a locking system.

The core of the electronically keyed locking system is the unique self-powered iLoq C10 lock cylinder that harvests electricity from inserting the key. No batteries or electric wiring are required, making it an environmentally friendly as well as an easy to install and maintain solution. Convenient and flexible system management options break down the limits of traditional key management systems.

In addition to an increased security level, low cost and logistic advantages can be realised in existing and new master-key locking applications for industrial facilities, office, public and rental apartment buildings.

The motivation for selecting iLoq S10 as the winning product:

“This cost-efficient, flexible and “green” electronic locking system is nothing but a sensational outstanding product solution with an enormous market potential. An undisputed winner in its product category 2008.”

The Runner-up!

Highly Commended Product Award



Diadem Smarti biometric reader, TAB Systems (Slovenia)



The *Diadem Smarti* unit is a fan-less multi biometric reader meant for both indoor and outdoor use. It has a high identification reliability in all lighting

conditions. The unit is also equipped with an 8 inch colour touch screen, integrated motion detector, microphone, speaker, Intel Centrino processor, built in storage, internal memory, communication ports and a relay I/O controller. The backbone of the Diadem unit is the Smarti software platform. Smarti is an access control platform with many extra benefits. Access is granted in a process involving both face and speech recognition. If even higher security is needed, Smarti supports many external fingerprint readers, proximity card readers, palm scanners etc. Smarti also supports different sorts of building automation, and is able to turn on

lighting, air conditioning, heating and so on, with authorised access through Diadem. It is also possible, for example, to send an e-mail to relevant people when a specific person enters the building.

“With Diadem TAB Systems has succeeded in developing an economic smart access control solution that – in addition to keeping unauthorised people at bay through multimodal biometrics – also offers time attendance and other useful extra functions.”

Innovative Achievement Awards



RKL55 contactless card and PIN reader, HID (USA)



Using 13.56 MHz contactless smart card technology, the *RKL55* iCLASS LCD keypad reader provides users with enhanced interaction at the door. Combining con-

tactless card presentation with a PIN, the reader provides a second layer of authentication for higher security. Featuring an LCD screen and function keys for real-time user feedback; the RKL55 further expands system versatility at the door. The RKL55 features HID Advanced Device Protocol and Open Supervised Device Protocol, combined with the power of iCLASS, to push user interaction and system functionality higher.

“With the RKL55 HID offers enhanced interactivity at the door, thanks to the new OSDP protocol which may represent the future of open platform readers.”

RF30EM wireless card and PIN reader, Siemens Building Technologies – Security Products (Germany)



RF30EM is a wireless all-in-one product, with proxy reader, lock, door controller and power supply, that either can be used as part of a Bewator Entro 6.0 system or as a stand-alone reader for up to 250 cards. The RF30EM is installed directly on the door without any cabling, making it easy to add or move units within a system. When used in a Bewator Entro v 6.0 system, the RF30EM's provides on-line wireless access control with full system func-



tionality. For radio communication RF30EM uses the license free 2.4 GHz frequency band, secured with a 128 bit encryption.

“This all-in-one product consists of a reader, lock, door controller and power supply. It communicates wirelessly and offers online communication as well, which makes it a highly competitive solution.”



THE OVERALL
WINNER
BEST ACCESS CONTROL PRODUCT



iLock S10.

The jury's comment:

"This cost-efficient, flexible and 'green' electronic locking system is nothing but a sensational outstanding product solution with an enormous market potential. An undisputed winner in its product category 2008."



• The Alarm and Detection Product Category



The Overall Winner!

Best Alarm and Detection Product



Hemi-Directional Loudspeaker, Bosch (Germany)



The Bosch *Hemi-Directional Loudspeaker* is an easy to install, innovative loudspeaker which

projects consistent and high quality sound, ensuring superb reproduction of background music and high speech intelligibility for paging or emergency calls. The speaker's opening angle and high sound pressure level allows it to cover at least 600 square metres when applied in high ceiling areas like warehouses, transport and exhibition halls, mega stores and swimming pools. This high power pendant loudspeaker combines superior acoustical technology with a subtle design.

Having passed rigorous tests, the Bosch Hemi-Directional Loudspeaker is guaranteed to operate even under extreme conditions. EVAC compliant, it meets or exceeds all necessary standards for voice

alarm installations (IEC60849 and BS5839 part 8).

The motivation for selecting Hemi-Directional Loudspeaker as the winning product:

"With coverage of a full 600 square metres for one Hemi-Directional Loudspeaker, Bosch Security Systems offers a cost effective high quality voice alarm function, with additional opportunities to reproduce music and announcements, which further justifies an investment in this product. Stunning in its simplicity and advanced technology at the same time."

The Runner-up!

Highly Commended Product Award



T5000 electromagnetic camera, Thruvision (United Kingdom)



The portable *T5000* camera can image both metallic and non-metallic threat objects hidden under

clothing on still or moving subjects without revealing any body detail. The T5000 is designed for the protection of human life and property at key infrastructure sites. The T5000 operates in the terahertz region of the electromagnetic spectrum, frequently referred to as T-Rays. T-Rays are a form of low energy naturally emitted from all materials that can pass through solid materials like clothing and even walls. The T5000 passively collects these naturally occurring T-Rays and processes them to form images that reveal objects hidden under a person's clothing. This is done without displaying physical body details and

without the harmful radiation associated with traditional X-ray security screening.

"The T5000 increases the security at key checkpoints in different critical environments, such as border control. It's ability to detect potentially dangerous or illegal objects on a person, moving or stationary, without exposing the subject to any harm or revealing any body details is really a milestone in critical applications."

Innovative Achievement Award



Galaxy Dimension alarm and access control, Honeywell (USA)



The *Galaxy Dimension* system combines intruder alarm with advanced access control and audio veri-

fication capabilities in a reliable solution. Galaxy Dimension incorporates numerous features that enable quick and easy system installation and programming, ease of use and reduced maintenance time. With its external control protocol, Galaxy Dimension can interface with other systems to form a fully integrated building management solution. The access control functionality is combined with advanced intruder features to provide one integrated system.

The system's audio verification enables quick analysis of an alarm source and cause, to reduce false alarms. An array of in-built communications

peripherals, allow Galaxy Dimension to use existing communication paths to perform dual alarm signalling functions.

"With an integrated approach the Galaxy Dimension is a solid offer to end-users that are looking for a solution combining alarm and access control. The system efficiently reduces false alarms thanks to the audio verification functionality and its easy user interface."



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THIRD PRIZE

INNOVATIVE ACHIEVEMENT AWARD
WITHIN THE CATEGORY OF
ALARM & DETECTION PRODUCTS



Galaxy Dimension.

The jury's comment:

"With an integrated approach the Galaxy Dimension is a solid offer to end-users that are looking for a solution combining alarm and access control. The system efficiently reduces false alarms thanks to the audio verification functionality and its easy user interface."

Honeywell



THIRD PRIZE

INNOVATIVE ACHIEVEMENT AWARD
WITHIN THE CATEGORY OF
ACCESS CONTROL PRODUCTS



RKL55.

The jury's comment:

"With the RKL55 HID offers enhanced interactivity at the door, thanks to the new OSDP protocol which may represent the future of open platform readers."



• The CCTV Product Category



The Overall Winner!

Best CCTV Product



Axis P3301 Network Camera, Axis Communications (Sweden)



The *Axis P3301* fixed dome network camera is one of the first cameras from Axis to incorporate their new Artpec-3 chip technology, a chip with

enhanced image processing and compression capabilities and with support of the H.264 codec. The Ethernet powered Axis P3301 offers progressive scan and wide dynamic range, allowing for clear images in both illuminated and low-light areas. Furthermore the camera features enhanced intelligent capabilities such as enhanced video motion detection, audio detection and detection of camera tampering attempts like blocking. The Axis P3301 allows for 30 frames per second video streams using the H.264, but can also run multiple streams with Motion JPEG. The use of H.264 saves bandwidth by as much as 80 percent compared to Motion JPEG, and

50 percent compared with MPEG-4 Part 2.

The motivation for selecting Axis P3301 as the winning product:

“AXIS P3301 is the powerful answer to the market demand for a feature-rich surveillance camera able to offer an outstanding picture quality, in full frame rate or individually optimised for different quality needs and bandwidth constraints. This is a truly winning concept for a wide range of video surveillance applications.”

The Runner-up!

Highly Commended Product Award



Bosch IVA 3.5 intelligent video system, Bosch Security Systems (Germany)



The updated *IVA 3.5* includes new colour filtering capabilities that allow object colours to be set as

a detection criteria. A forensic search function allows the user to define rules through metadata after an incident has occurred, significantly decreasing the time it takes to find the relevant video segment. The 3.5 version also supports infrared thermal cameras. A wizard-based task manager helps operators to set up rules through step by step instructions, making the system more accessible to novice intelligent video users. The filter set has also been extended with new powerful features such as line crossing alerts, object trajectories and specification filtering. Triggers can be set to transmit alerts if, for example,

objects cross a pre-defined line, or change speed, shape or aspect ratio.

“This complete portfolio of intelligent video functions can successfully enhance the effectiveness of any security surveillance system. Its complexity, scalability, and well designed user interface confirms the advantages that edge-based video analytics can bring to the security market.”

Innovative Achievement Awards



NSR-1000 Series network surveillance server, Sony (Japan)



The *NSR-1000* Series of network surveillance servers has a hybrid capability – the recording servers support both analogue and IP cameras. The servers can facilitate between 20 and 64 units depending on model (including max 16 analogue cameras). The NSR-1000 series is equipped with two analogue RGB and two HDMI monitor output connectors on the rear panel, which

means that a HD-display can be connected to the system. The system is built on an open platform and will be compatible with third party cameras, and the system configures and registers cameras automatically.

“With the NSR-1000 Series Sony has developed a plug and play system for video surveillance, that supports both analogue and IP cameras. It is an achievement of exceptional value to end-users looking for a security package, avoiding the hassle and costs of complicated installation and configuration.”

Q22 hemispheric network camera, Mobotix (Germany)



The discreet *Q22* hemispheric high resolution network camera with 360° all round view and integrated distortion correction enables one camera to monitor and record a complete room, and with advanced digital continuous pan, tilt and zoom functions it allows multiple users to view different area segments of the scene. The camera has an integrated speaker and microphone with complete bidirectional audio and VoIP telephony functionality. Image compression allows for low bandwidth consumption and the Q22 has on



board software included and up to 16 GB of internal storage.

“This cost effective compact camera offers an overview video stream of a room with opportunities to virtually pan, tilt and zoom while still recording the overview scene. The option of event-controlled recording directly to the camera is another added value that deserves recognition from the global security market.”



THIRD PRIZE

INNOVATIVE ACHIEVEMENT AWARD
WITHIN THE CATEGORY OF
CCTV PRODUCTS



NSR-1000 Series.

The jury's comment:

"With the NSR-1000 Series Sony has developed a plug and play system for video surveillance, that supports both analogue and IP cameras. It is an achievement of exceptional value to end-users looking for a security package, avoiding the hassle and costs of complicated installation and configuration."

SONY



THIRD PRIZE

INNOVATIVE ACHIEVEMENT AWARD
WITHIN THE CATEGORY OF
CCTV PRODUCTS



Q22.

The jury's comment:

"This cost effective compact camera offers an overview video stream of a room with opportunities to virtually pan, tilt and zoom while still recording the overview scene. The option of event-controlled recording directly to the camera is another added value that deserves recognition from the global security market."

Security-Vision-Systems





HIGHLY COMMENDED
CCTV PRODUCT



IVA 3.5.

The jury's comment:

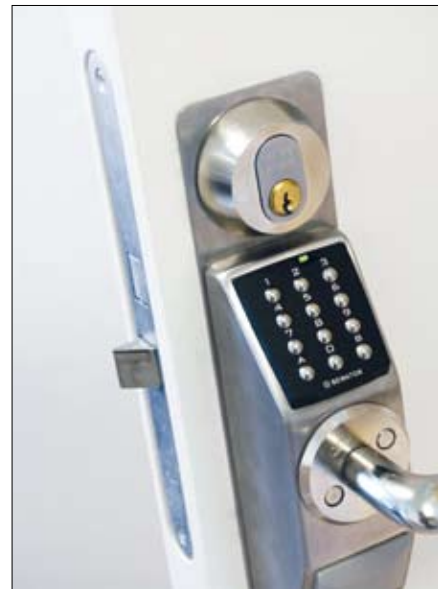
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INNOVATIVE ACHIEVEMENT AWARD
WITHIN THE CATEGORY OF
ACCESS CONTROL PRODUCTS



RF30EM.

The jury's comment:

"This all-in-one product consists of a reader, lock, door controller and power supply. It communicates wirelessly and offers online communication as well, which makes it a highly competitive solution."

SIEMENS



HIGHLY COMMENDED ACCESS CONTROL PRODUCT



Diadem Smarti.

The jury's comment:

"With Diadem TAB Systems has succeeded in developing an economic smart access control solution that – in addition to keeping unauthorised people at bay through multimodal biometrics – also offers time attendance and other useful extra functions."