

BOSCH RELEASES INTELLIGENT VIDEO ANALYSIS SOFTWARE WITH NEW FILTERING AND FORESIC SEARCH CAPABILITIES

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FAIRPORT, N.Y. – Bosch Security Systems, Inc., a full-line manufacturer of high-quality security solutions, is introducing the latest version of its powerful Intelligent Video Analysis (IVA) software. IVA 3.5 builds on the features of Bosch's Intelligent Video Motion Detection (IVMD) system with enhanced video content analysis capabilities, including color filtering, which allows object color or a combination of colors to be set as detection criteria. This monitoring criterion can be used to detect a specific colored vehicle or other object of interest.

The feature set has been further extended with new filters such as line crossing, object trajectory, aspect ratio and condition change detection. Triggers can be set to transmit alerts, if for example, objects cross a pre-defined line(s) or they follow a specific route. Condition changes can be monitored to detect abnormal behaviors including changes in object speed (running), shape (crouching) or aspect ratio (falling). By processing video for these abnormal events, IVA enhances guard-assisted surveillance by relieving operators of the need to continuously watch monitor screens, resulting in fewer errors and more reliable alarm handling.

An optional license also enables users to employ the easy-to-use forensic search capabilities of the new software, which scans through recorded content analysis information – metadata – stored with video images. Metadata is much smaller than recorded video, resulting in searches for video of interest that can be completed in mere seconds compared to the days or weeks required for manual scans. This option also allows extra detection criteria to be set after the live video has been recorded. For example, even if the live system had not been configured for idle object detection, it is possible to identify these events later during a forensic search of the recorded video.

Configuring the system has been made even simpler with an intuitive wizard-based task manager. Task wizards guide the operator through the process of creating alarm rules for each monitored camera. With the Object Sampling configuration option, users can capture all relevant object data – such as size, speed and color – in a selected live scene with a single mouse click on the object of choice. This information can be used for tracking similar objects in the future.

IVA embeds intelligence at the network's edge in Bosch encoders and cameras. This greatly simplifies IP video system design, avoiding the single point of failure that can occur in traditional video content analysis architectures where video is streamed from all cameras to centrally-located servers for processing. With intelligence embedded in edge devices,

events are generated at the camera site and only video footage of interest, such as abnormal events, is transmitted to the control center, greatly reducing traffic on the network.

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Bosch has pioneered this ‘intelligence at the edge’ approach in its IP network video products and solutions. IVA 3.5 is embedded into all the latest Bosch cameras and encoders and requires only a license to activate its functionality. Current users of Bosch’s IVMD 2.0 automatically receive a free upgrade to IVA 3.5 when they update the firmware on their Bosch IP network video products.

For more information, visit <http://www.boschsecurity.us/en-us/iva>.

About Bosch Security Systems, Inc.

Bosch Security Systems, Inc., a division of the Bosch Group, develops and markets a broad range of products and systems for security, video surveillance, life safety, personnel and asset tracking applications, as well as for communication and professional audio installations. Worldwide, Bosch Security Systems employs more than 10,800 associates and reported sales of \$2 billion in fiscal 2007. For more information, visit www.boschsecurity.us or call (800) 289-0096.

About the Bosch Group

The Bosch Group is a leading global supplier of technology and services. In the areas of automotive and industrial technology, consumer goods, and building technology, some 271,000 associates generated sales of 46.3 billion euros (over \$63 billion) in fiscal 2007. The Bosch Group comprises Robert Bosch GmbH and its more than 300 subsidiaries and regional companies in roughly 50 countries. This worldwide development, manufacturing, and sales network is the foundation for further growth. Each year, Bosch spends more than three billion euros for research and development, and applies for over 3,000 patents worldwide. The company was set up in Stuttgart in 1886 by Robert Bosch (1861-1942) as “Workshop for Precision Mechanics and Electrical Engineering.”

In North America, the Bosch Group manufactures and markets automotive original equipment and aftermarket products, industrial automation and mobile products, power tools and accessories, security technology, thermo-technology, packaging equipment and household appliances. Bosch employs approximately 25,000 associates in more than 80 locations throughout the U.S., Canada and Mexico, with reported sales of \$9.5 billion in fiscal 2007. For more information on the company, visit www.boschusa.com.