

With new TCP/IP Communications Module: **Bosch AutoDome Modular cameras with advanced dual-stream H.264 compression technology**

August 2010
PI 7128 ST Goe

- ▶ Dual-stream H.264 compression reduces costs and improves performance
- ▶ Powerful video analysis and alarm control assists system operators
- ▶ Modular design enables simple upgrade to advanced functionality

Bosch Security Systems has introduced a new TCP/IP Communications Module for its AutoDome Camera System. The new module delivers advanced IP technology and features, including H.264 Main Profile compression, powerful Intelligent Video Analysis and alarm handling, and compliance with the Open Network Video Interface Forum (ONVIF) standard.

AutoDome Modular pan-tilt-zoom cameras from Bosch use a platform of interchangeable components to allow customers to cost-effectively migrate to advanced functionality without replacing the entire camera system. Customers can easily add the new TCP/IP Communications Module to any existing AutoDome Modular pan-tilt-zoom camera, helping security personnel keep their systems updated with the latest innovations in surveillance technology.

This TCP/IP Communications Module uses H.264 compression for DVD-quality video that requires up to 50 percent less storage space than MPEG4-compressed video, depending on scene and quality settings.

With tri-streaming, the module can simultaneously generate two independent H.264 streams with up to 4CIF resolution at 25/30 images per second (PAL/NTSC), as well as one JPEG stream for viewing on a hand-held device. With built-in iSCSI support, the cameras can stream compressed video directly to an iSCSI RAID array for storage.

In addition to tri-streaming, the TCP/IP Communications Module's powerful dual processor can concurrently run Bosch's full-featured Intelligent Video Analysis (IVA) software without compromising performance. With IVA, AutoDome Modular cameras process video signals and automatically alert operators to potential security risks. One AutoDome Modular pan-tilt-zoom camera can analyze up to 10 different scenes for loitering, line crossing and other potential threats using a single IVA license – providing customers with low cost advanced video analytics.

Sophisticated alarm control allows flexible management of alerts from AutoDome Modular cameras. Rule-based logic enables alarms to trigger a wide range of actions, including complex dome functions. With the new TCP/IP Communications Module, the AutoDome Modular's alarm handling is extended even further with the ability to send notifications via e-mail.

The TCP/IP Communications Module also provides support for the ONVIF standard to ensure AutoDome Modular cameras will integrate seamlessly with compliant networked video products from different vendors. For installers and system integrators, this provides greater freedom in specifying a system.

Bosch AutoDome Modular cameras are offered in four models, ranging from a basic level fixed-position dome to the full-featured 500i-Series Intelligent Pan-Tilt-Zoom Camera. AutoDome cameras equipped with the new module deliver hybrid operation with both Ethernet and analog connections for supporting existing equipment.

All new AutoDome Modular pan-tilt-zoom IP camera kits purchased from August 2010 will include the new TCP/IP Communications Module but will not be MPEG-4 compatible; for this a separate module, the MPEG-4 IP Communications Module (VG4-MTRN-E), is required. This additional module will remain available until December 31, 2010.

Press photo: 1-ST-16676

Contact person for press inquiries:

Bosch Security Systems
Erika Görge
P.O. Box 11 11
D-85626 Grasbrunn
Germany

Phone: +49 89 6290-1647

Fax: +49 89 6290-281647

E-mail: erika.goerge@de.bosch.com

www.boschsecurity.com

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 275,000 associates generated sales of 38.2 billion euros in fiscal 2009. The Bosch Group comprises Robert Bosch GmbH and its more than 300 subsidiaries and regional companies in over 60 countries. If its sales and service partners are included, then Bosch is represented in roughly 150 countries. This worldwide development, manufacturing, and sales network is the foundation for growth. Each year, Bosch spends more than 3.5 billion euros for research and development, and applies for some 3,800 patents worldwide. With all its products and services, Bosch enhances the quality of life by providing solutions which are both innovative and beneficial.

The company was set up in Stuttgart in 1886 by Robert Bosch (1861–1942) as “Workshop for Precision Mechanics and Electrical Engineering.” The special ownership structure of Robert Bosch GmbH guarantees the entrepreneurial freedom of the Bosch Group, making it possible for the company to plan over the long term and to undertake significant up-front investments in the safeguarding of its future. Ninety-two percent of the share capital of Robert Bosch GmbH is held by Robert Bosch Stiftung GmbH, a charitable foundation. The majority of voting rights are held by Robert Bosch Industrietreuhand KG, an industrial trust. The entrepreneurial ownership functions are carried out by the trust. The remaining shares are held by the Bosch family and by Robert Bosch GmbH.

Additional information can be accessed at www.bosch.com