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

- 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 DVDquality 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 handheld device. Customers can select a low latency H.264 Baseline Profile stream for live viewing and pan-tilt-zoom control, while using a H.264 Main Profile stream for recording high-quality images with maximum compression. 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.

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Contact person for press inquiries:

Iona McIntyre

Sean Feast

The AGA Group

020 7330 8888

email: imcintyre@aga.co.uk or sfeast@aga.co.uk

Additional information on Bosch Security Systems and Bosch Group is available at www.boschsecurity.co.uk

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