



Bosch Introduces the VIP-X1XF H.264 Encoder Designed for Adding Intelligence to Analog Cameras ONVIF support and compact size for easy installation

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FAIRPORT, N.Y. – Bosch Security Systems, Inc. has introduced a single channel video encoder that transforms existing analog cameras into powerful automated detectors. The encoder delivers top-quality H.264 compressed video and has a built-in hardware accelerator for Intelligent Video Analysis (IVA) functionality.

The VIP-X1XF encoder is capable of transmitting two independent high-resolution video streams at 25/30 images per second over IP networks. This gives customers the flexibility to simultaneously record two video streams from one camera on different media. For example, the streams can record centrally on iSCSI drives as well as on local media, such as an SD card, for redundancy.

The encoder's H.264 compression reduces network load by up to 30 percent compared to conventional compression technologies. Bosch's low-latency Main Profile H.264 implementation provides customers with DVD quality video, while reducing storage costs and bandwidth usage.

Bosch's video content analysis software, IVA 4.0, is embedded in the encoders, so they can autonomously detect suspicious behavior, such as loitering, idle objects, object removal and line crossing. IVA 4.0 runs on the encoder's dedicated Field Programmable Gate Array hardware accelerator to process video in real-time. With a compact size that makes the new encoders easy to install near cameras, customers have the option to only transmit video of IVA alarms over their network to further reduce bandwidth requirements.

Support for the Open Network Video Interface Forum (ONVIF) standard ensures the new VIP-X1XF encoder is easy to install – integrating seamlessly with compliant video products from different vendors. For installers and

system integrators, this provides greater freedom in specifying a system. With Bosch's proprietary Bilinx support built-in, the VIP-X1XF also gives customers the ability to remotely configure analog cameras and control pan-tilt-zoom functionality without additional cabling.

For more information on the new VIP-X1XF encoder, visit www.boschsecurity.us.

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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 11,600 associates and reported sales of \$1.8 billion in fiscal 2009. For more information, visit www.boschsecurity.us.