

Lund, December 17, 2013

Axis announces new ARTPEC-5 chip featuring high frame rate full HDTV resolution video processing

Axis Communications announces the next generation of its market-leading system-on-chip for network video cameras and video encoders. The new ARTPEC-5 is based on dual core multiprocessor architecture, features a larger cache size and higher memory throughput. More processing power and performance provide increased capabilities for intelligent video processing and video analytics applications.

The new ARTPEC-5 chip features support for the H.264 High Profile (HiP) video compression standard and high frame rate (60 fps) encoding in full HDTV resolution (1080p). This resembles twice the frame rate and resolution offered by conventional HDTV video surveillance solutions today. High frame rates allow for capturing quick movements in detail such as when license plates of fast moving vehicles need to be identified. With full HDTV resolution, large overview areas can be monitored without compromises on image detail as will be required when an incident occurs.

With the ARTPEC-5, Axis is introducing an optimized design resulting in reduced power consumption of network video cameras and video encoders. The new chip can handle more video streams simultaneously than previous generations, features a faster SD card interface for edge storage and allows Axis to design cameras with advanced image processing capabilities to address the most demanding video surveillance challenges.

With its dual core multiprocessor architecture, larger cache size and higher memory throughput, the new ARTPEC-5 chip provides more processing power and performance for intelligent video processing and video analytics applications. With AXIS Camera Application Platform, end users can easily select and download applications to their Axis cameras. A large portfolio of applications is available offering advanced functionalities such as recognition, counting, detection and tracking.

AXIS Camera Application Platform enables third party software providers to develop applications that can be downloaded and installed on Axis cameras. Application developers can sign up for the Axis Application Development Partner (ADP) program. Axis provides a software development kit (SDK) and a compatibility tool to ensure that applications run on all Axis cameras.

The first product incorporating the new ARTPEC-5 chip is the AXIS Q7436 Video Encoder, a new high performance 6-channel video encoder blade.

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About Axis

As the market leader in network video, Axis is leading the way to a smarter, safer, more secure world - driving the shift from analog to digital video surveillance. Offering network video solutions for professional installations, Axis' products and solutions are based on an innovative, open technology platform.

Axis has more than 1,400 dedicated employees in 40 locations around the world and cooperates with partners covering 179 countries. Founded in 1984, Axis is a Sweden-based IT company listed on NASDAQ OMX Stockholm under the ticker AXIS. For more information about Axis, please visit our website www.axis.com.