

Arecont Vision MegaVideo® 4K Ultra-High Resolution Box Camera Announced for Demanding Surveillance Applications



Dallas, TX (September 25, 2017) – Arecont Vision®, the industry leader in IP-based megapixel camera technology, announces the availability of the full-featured MegaVideo® 4K/1080p dual-mode day/night indoor box camera series. The Made in USA MegaVideo 4K camera series has received is on display in booth 3221 at ASIS International, September 26 – 28, 2017 at the Kay Bailey Hutchinson Convention Center, Dallas, Texas.

The MegaVideo 4K is the latest member of the customer-proven box-style camera family and is loaded with advanced features and capabilities. The new dual-mode camera covers a wide range of project requirements with a choice of full 8.3MP (3840x2160 megapixels) for 4K ultra-high resolution image quality at 30 fps (frames per second) or 1080p mode for ultra-fast frame rates of 60 fps.

“The new MegaVideo 4K compact box camera affordably delivers many of Arecont Vision’s most advanced features and technologies while offering our unique cybersecurity protection and future-proof upgradability,” said Brad Donaldson, Vice President, Product Development, Arecont Vision. “Remote focus and zoom make setup quick and easy for the installer, with a range of lenses and optional enclosures to meet any surveillance requirement for ultra-high definition 4K video.”

Features and capabilities of the MegaVideo 4K series are many:

NightView™ low light color imaging technology, P-Iris control for enhanced depth of field and image clarity, and binning mode (in 1080p resolution) with integrated mechanical IR cut filter deliver true day/night functionality. WDR (Wide Dynamic Range) sees clearly in varied and overexposed areas.

The MegaVideo 4K features a choice of remote focus/remote zoom motorized P-Iris lens (4.4–10mm, 12-50mm, or 30-120mm). Optional camera housings (11” and 16” models) and mounting accessories ensure the indoor camera can also be used for a

wide range of outdoor ultra-high resolution surveillance applications with any of the three lens choices.

MegaVideo 4K includes SNAPstream™ (Smart Noise Adaptation and Processing) technology to reduce bandwidth and storage requirements without impacting image quality.

Other key MegaVideo 4K features include dual encoders (H.264/MJPEG), Casino Mode™ (to maintain a continuous 30fps), privacy mask, real-time 1024-zone motion detection, non-integer scaling, multi-casting, multi-streaming (4 non-identical streams), bit rate control, flexible cropping, adjustable shutter speed, picture-in-picture (simultaneous delivery of full field of view and zoomed images), and forensic zooming. The camera also includes a MicroSD (SDHC) card reader for onboard storage requirements.

Power can be supplied via a single Power-over Ethernet (PoE) compliant network cable with no external power required, or by use of a 12-48V DC/24V AC power supply. The built-in camera webpage allows for an intuitive and fast configuration, while the AV IP Utility tool allows quick configuring or updating of one or multiple MegaVideo 4K cameras simultaneously.

Network protocols HTTPS, 802.1x, IPv4, SNMP, and DHCP are among those supported for network security, integration, and simplified setup.

MegaVideo 4K and all other Arecont Vision cameras run the in-house developed Massively Parallel Image Processing (MPIP) architecture on a Field Programmable Gate Array (FPGA) integrated circuit. All core features and technologies are developed by Arecont Vision, and installed cameras can be upgraded with new capabilities and enhancements via remote firmware updates, thereby extending the useful life of the device.

By employing the unique MPIP architecture, Arecont Vision cameras do not require the use of common embedded operating systems, nor make use of 3rd party code or chipsets for core features. This approach eliminates the potential risk of hidden backdoors and the range of other cybersecurity weaknesses widely documented in other camera brands. Arecont Vision cameras are unable to be maliciously repurposed for use in Distributed Denial of Service (DDoS), network penetration, ransomware, and other cyberattacks, or to be used to spread to malware and computer viruses to other network-enabled devices.

Arecont Vision cameras are integrated with the industry's leading video management system (VMS) and network video recorder (NVR) choices through the Technology Partner Program and its MegaLab™ test and certification facility.

Visit booth 3221, ASIS International, September 26-28, 2017 to see the new MegaVideo 4K in action with the many other industry leading Arecont Vision megapixel cameras being demonstrated.

To pre-schedule a meeting with the Arecont Vision team at ASIS, please call +1.818.937.0700, or email our request to sales@arecontvision.com.

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ABOUT ARECONT VISION

Arecont Vision is the leading manufacturer of high-performance megapixel IP cameras. MegaVideo® and SurroundVideo® Massively Parallel Image Processing Architectures are now in their 5th generation and represent a drastic departure from traditional analog and network camera designs.

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