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Hanwha Delivers H.265 Compression Across Wide Range of Cameras

Technology significantly reduces overall system costs by lowering bandwidth and storage requirements

Ridgefield Park, NJ (August 24, 2016) – Hanwha Techwin America continues to set the standard for high performance surveillance technologies as one of the security industry's first manufacturers to incorporate H.265 compression into its products. The company is one of the earliest adopters of the standard having recognized the ability of H.265 to further increase the value proposition for its leading lines of IP and megapixel cameras.

Driven by the growth of solutions using 4K Ultra HD and other high-resolution imaging formats, H.265 expands the efficiencies of H.264 compression standard by generating the highest-quality images in the smallest video files possible. This significantly reduces bandwidth and storage requirements which effectively lowers infrastructure costs and makes high-resolution surveillance systems more affordable.

"End users are seeing greater value in HD-quality images and fast frame rates, but these benefits may be offset by the related increases in bandwidth and storage requirements, making it difficult for organizations with limited budgets to take advantage of higher quality video deployments," said Tom Cook, Vice President of Sales, Hanwha Techwin America. "H.265 compression technology offers the potential to reduce these costs and make 4K and other higher-resolution video more accessible for security applications."

To help end users transition to H.265 technologies, Hanwha cameras employ a triple codec that enables simultaneous streaming of H.265, H.264 and MJPEG formats. With this, video can be recorded and viewed in different formats; it also facilitates integration with third-party systems that do not yet support H.265, allowing users to

deploy the industry's best cameras with migration to H.265 once VMS support is provided.

Additionally, by applying Hanwha's WiseStream codec to H.265 and H.264, users can benefit from significantly reduced bandwidth consumption and storage requirements. WiseStream can automatically and dynamically identify and generate high-quality images of areas of motion within a scene while applying greater compression to background areas. WiseStream can also dynamically adjust the I-Frame interval of video depending on the scene, motion present and network activity.

For example, the 4K WiseNet Premium Series supports WiseStream and H.265 coding technology to provide large images for video surveillance using the same data bandwidth as a 1080p full HD legacy system using H.264 coding.

Hanwha cameras currently featuring H.265 compression include the WiseNet P Series; the WiseNet Q Series; the SNV-8081R 5 Megapixel Vandal-Resistant Network IR Dome Camera; and the SNO-8081R 5 Megapixel IR Bullet Camera. Hanwha is incorporating H.265 compression into all of its IP megapixel camera introductions.

For more information, visit www.HanwhaSecurity.com

About Hanwha Techwin America

Hanwha Techwin America, the U.S. subsidiary of Hanwha Techwin, is a leading supplier of advanced video surveillance solutions for IP-video, analog and hybrid systems. Building on the company's history of innovation, Hanwha Techwin America is dedicated to providing solutions with the highest levels of performance, reliability and cost-efficiency for professional security applications, such as continuing development in advanced edge devices and video analytics. For more information, visit HanwhaSecurity.com

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