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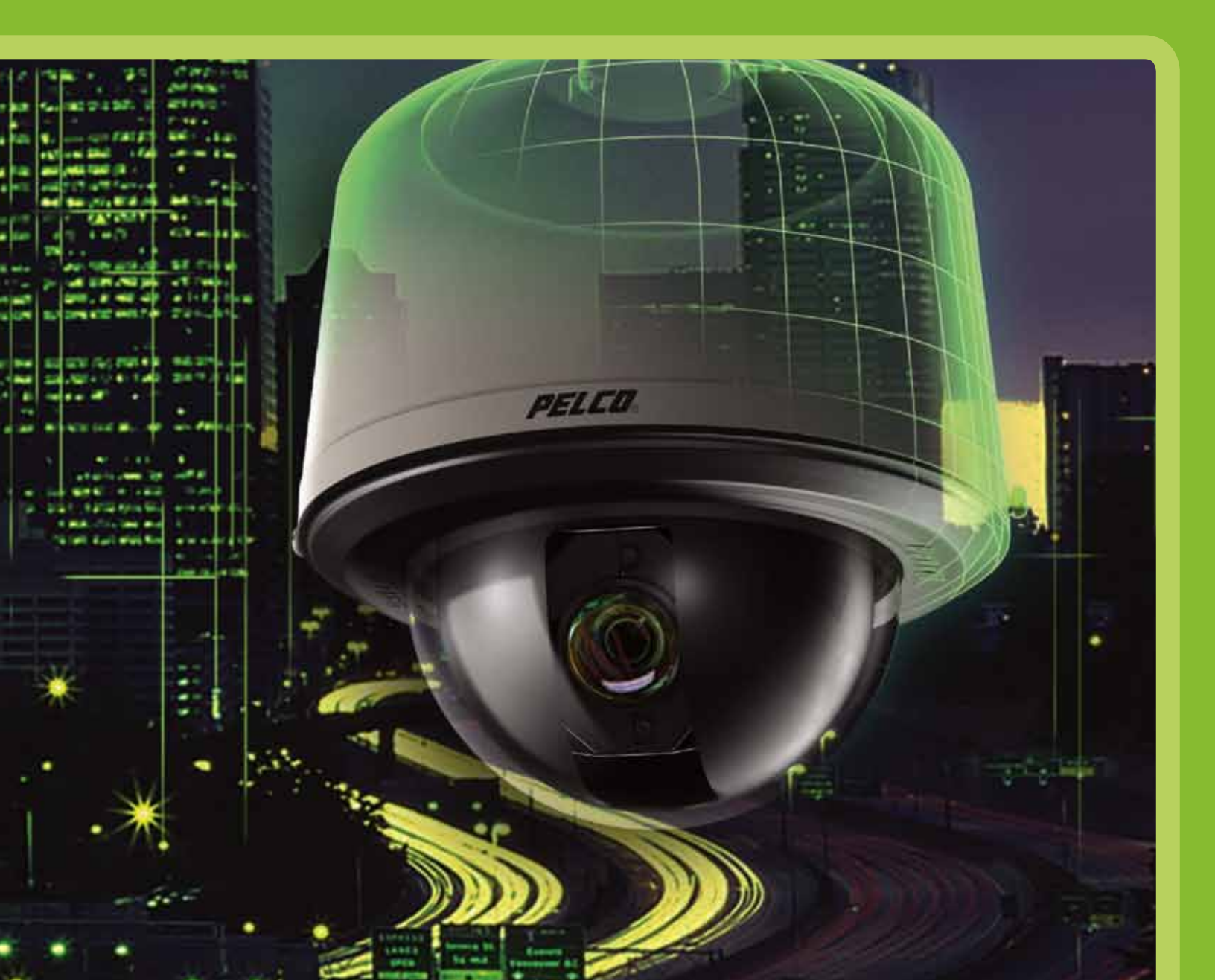
BY KATHLEEN RHODES, MARKETING COMMUNICATIONS WRITER

Spectra HD

The Ultimate Positioning System, Now in High-Definition

For 15 years the name Spectra has been synonymous with excellence in imaging. A symbol for security the world over, Spectra leads the industry in image quality, low light performance and precision control. Now the tradition continues with the new Spectra HD. This innovative camera system combines the unequaled reliability and drive/control technology that Spectra is known for, and pairs that performance with the industry-leading Sarix technology platform.

“By introducing the Sarix technology platform to the Spectra family our engineers have created quite simply the world’s greatest high definition PTZ dome,” explained Senior Product Marketing Manager Dave Stanfield. This all-digital system delivers a number of innovations for the Spectra family including 1.3 megapixel resolution, high-profile H.264 compression, built-in analytics and much more.



Picture Quality

Spectra HD systems are designed specifically for video security professionals who demand the very best in image quality. “We understand there is nothing more important than picture quality, that’s why we strive to deliver the clearest possible images. That effort is evident with Spectra HD,” Stanfield says. Featuring a 1/3-inch CCD imager with an integrated 18x optical zoom lens, Spectra HD leads the industry for image quality in a 1.3 megapixel dome while also delivering best-in-class low light performance.

Optically Perfect Bubble

Today’s high-resolution megapixel cameras are so sensitive, even the tiniest imperfection in the dome can cause significant image problems. That is why the team behind Spectra HD engineered an optically perfect dome to ensure you get the most from your megapixel camera investment. “We dedicated significant resources to creating a bubble that delivers measureable improvements in clarity over the competition,” says Ann Henebury, one of the Project Managers who developed the bubble. “As a result of our efforts, Spectra HD users can count on flawless image quality over the entire viewing range of this system.”

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Powered by Sarix

Because Spectra HD is built on the Sarix technology platform, it features a dual-processor design for guaranteed streams and High-Profile H.264 for the most efficient compression. "High Profile H.264 is 10% more efficient than base-profile H.264," Stanfield says. "When you start talking about large systems, that 10% can represent significant savings with respect to storage and network traffic."

Spectra HD systems also share a common browser with all Sarix-based cameras for simple set up and configuration. Through the browser, users have advanced pan/tilt management features including click-to-center, box draw and drag pan and tilt for the ultimate in smooth control.

More Resolution for More Coverage

"When manufacturer's scale a 960p image down to 720p they crop about a third of the scene in order to offer a 1280 x 720 image." But Stanfield explains that Spectra HD retains the entire image by delivering full 960p resolution for 33% more pixels of live image and forensic detail than a 720p image. "Security professionals need that extra coverage, we understand that. The importance of that added 33% of forensic detail cannot be overemphasized."

Built-in Analytics

Every Spectra HD system comes standard with a powerful suite of advanced analytics built into the camera system. "One of the analytics included with Spectra HD is Object Tracking," Stanfield explains. "We are especially excited about this analytic because it really goes beyond what we've come to expect with an auto tracker." With this intelligent tool you can define the size of the object of interest and track your subject through the full 360° rotation of the camera. Object Tracking also allows users to identify exclusion zones, ensuring that the only thing of interest to the camera is the object of interest to the user. In addition to Object Tracking, Spectra HD also comes with Abandoned Object, Adaptive Motion, Camera Sabotage, Directional Motion, Loitering Detection, Object Counting, Object Removal and Stopped Vehicle analytics built-in.

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The World's Greatest HD PTZ Dome

Spectra HD builds upon the long history of imaging excellence that has made Spectra the most trusted PTZ system in the industry. Spectra systems can be found in more than 160 countries and are chosen to protect the world's most treasured landmarks. Now Spectra HD continues this tradition by offering four indoor and outdoor models, ideal for any environment.

According to Stanfield, "Spectra HD represents the true culmination of the end-to-end Pelco HD solution." Not only does this powerfully adaptable system work with Endura 2.0, Endura Express and DS NVs, it is also compatible with a broad array of third-parties including Genetec, Milestone, OnSSI and many others.

By incorporating the performance and reliability of Spectra with the advanced functionality of Sarix technology, Spectra HD delivers an experience unrivalled in the industry. To discover more about Spectra HD or any of the other systems that make up the Spectra family, contact your local Manufacturer's Representative or visit www.pelco.com