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SONY INTRODUCES THREE NEW GigE CAMERAS AT ITS 2011

*New Line Features Sensitivity, Speed and
First Color GigE Camera*

ORLANDO, Fla., Oct. 17, 2011 (ITS 2011, Booth 1301) – Sony Electronics is displaying three new GigE cameras at the ITS World Congress. The new models -- XCG-H280E, XCG-5005CR and XCG-U100CR -- enhance and expand Sony's popular XCG GigE camera series and are designed specifically for Intelligent Transportation applications.

The GigE Vision® interface standard provides outstanding performance and economy. It enables high-speed data transfers over long distances (up to 100 meters), while the use of a standard Ethernet cable and the availability of a wide variety of peripheral devices allow systems designers to create products that combine superb capabilities and competitive pricing.

The XCG-H280E model is a high quality, high-sensitivity monochrome camera capable of Full HD imaging (1920x1080) at 32fps to capture fast-moving objects with smooth and clear results. The XCG-5005CR and XCG-U100CR models are Sony's first color cameras with the GigE interface and are designed to be the workhorses of the emerging market for color imaging in Intelligent Transportation.

“The XCG-H280E, XCG-5005CR and XCG-U100CR cameras demonstrate Sony’s commitment to the Intelligent Transportation marketplace, with GigE cameras that create new opportunities for both innovation and economy,” said Ken LaMarca, vice president of the visual imaging products division at Sony Electronics. “The adoption and adaptation of these standards and tools from the machine vision industry can save enormous effort for Intelligent Transportation developers, freeing investment for creating market-wise solutions in emerging areas such as open road tolling and remote ticketing methodologies.”

Common XCG-Series Features, Uncommon Versatility

The XCG-H280E, XCG-5005CR and XCG-U100CR models share features and benefits with Sony’s XCG-Series GigE lineup, but focus on Intelligent Transportation applications. Each are designed for the most challenging environmental conditions with high resistance to shock and vibration as well as the ability to operate at temperatures of up to 122 degrees F (50 C). Low power consumption and compact form-factors add to the versatility of these ITS cameras. Enhanced triggering options (Bulk Trigger Mode/Sequential Trigger Mode) let users capture images with different exposures and gain settings in each trigger cycle to compensate for changing lighting conditions. For example, taking multiple exposures ensures the capture of a clear license plate image of a speeding vehicle.

Each camera can store up to 16 setting sequences, covering different exposures and gain values. All are GigE Vision® Version 1.2 compliant for easy integration. Video data output can be set to eight-, 10-, or 12-bit pixel depths for improved color and gray scale separation.

The monochrome XCG-H280E camera uses a 2/3-type Exview HAD II™ CCD sensor that excels in low-light environments (visible and near infrared) making it ideal for APLR and

remote ticketing applications employing high-powered infrared LEDs so as not to distract drivers. It utilizes a standard C-mount for a wide variety of standard lenses and is capable of shutter speeds from 2 seconds to 1/100,000 second – allowing for flexibility for a variety of applications and lighting conditions.

Models XCG-5005CR and XCG-U100CR: Reliable, Durable, Affordable Color

Both the XCG-5005CR and XCG-U100CR models are raw color digital video cameras, Sony's first for the GigE interface. Each outputs raw color data that can then be converted to a color image on a computer and are suitable for red light enforcement and identifying a specific vehicle color for APLR applications. The XCG-5005CR camera utilizes a 2/3-type progressive scan CCD image sensor capable of producing 2448x2048 high-resolution images at 15fps. The XCG-U100CR camera has a 1/1.8-type image sensor that can capture 1600x1200 (UXGA) images at 27fps.

Pricing & Availability

All three cameras are currently available, at the following suggested list prices:

XCG-H280E - \$2,895

XCG-5005CR - \$3,395

XCG-U100CR - \$2,195