Aegis Electronic Group, Inc. Announces Pleora's iPORT™ SB-U3 USB3 External Frame Grabber

Transporting high-speed imaging and video data from Sony Block Cameras over Pleora's iPORT™ SB-U3 USB3 External Frame Grabber

Gilbert, Arizona (PRWEB) March 31, 2015 -- Aegis Electronic Group, Inc., announces the addition of Pleora Technologies' new iPORT™ SB-U3 USB3 External Frame Grabberto their valued product lines. Pleora, the world's leading provider of high-performance video interfaces, is now able deliver to systems manufacturers and integrators the ability to convert several of Sony's high definition block camera modules into native USB3 Vision™ plug and play cameras.

The SB-U3, when coupled with one of several Sony HD block camera modules, allows OEMs the ability to transmit full-resolution video with predictable, low latency over a USB 3.0 connection at the maximum frames per second (fps) supported by the camera it is paired with. Only using a standard USB 3.0 port, system designers will be able to reduce system size, cost, and power consumption by using computing platforms with smaller form factors, such as laptops, embedded PCs, and single board computers.

Fully compliant with the USB3 Vision and GenICam™ standards, Pleora's new USB 3.0 external frame grabber not only ensures interoperability with third-party equipment in multivendor environments, it's flexible design allows multiple cameras to be combined to a single USB 3.0 port, when using an off-the-shelf USB 3.0 hub.

Compatible with Sony's High Definition (HD) Block Camera models FCB-EV7500, FCB-EV7100, FCB-EV5500, FCB-EH6500, FCB-EH6300, FCB-EH3410, and FCB-EH3310, these innovative SB-U3 USB3 external frame grabbers allow the camera's simplified transformation for a multitude of applications where high speed, high quality imaging is a must.

For the Sony FCB-EV7100 and FCB-EV7500 models in particular, the addition of an iPORT™ SB-U3 external USB3 frame grabber transforms these cameras into ideal solutions for Machine Vision and Inspection applications and Medical Imaging applications due in part to their abilities to capture static images in addition to video, their auto focus and zoom control capabilities, and because these cameras do not have global shutter, which can distort a static image.

Fast, integrated zoom control allows for ideal transitions from wide area coverage to detailed zoom imaging, and are coupled with the outstanding picture resolution. Video signal outputs are available in a range of HD (Digital and Analog) and SD (Secure Digital) formats, which reduce integration costs and complexity by excluding the need for additional analog/digital converters. Add a configuration option that allows the camera to be powered up via a 12-pin connector and this single cable USB 3 camera solution becomes a low cost, easily integrated plug and play solution.

The Sony FCBEV7500 and FCBEV7100 compact color block cameras produce exceptional quality, full HD images (1920 x 1080) thanks to their high-performance 1/2.8-type Exmor™ CMOS image sensor (approximately 2.14 million effective pixels), that supports 3G SDI (Serial Digital Interface). Their Wide Dynamic (Wide D) Range image processing provides clear, detailed images in high-contrast or backlit applications, and their Digital/Analog HD Video Output and VBS (Video and color Burst Signal) Standard

Definition (SD) video output, result is stunning video. Video signal outputs are available in a range of HD (Digital and Analog) and SD (Secure Digital) formats, which reduce integration costs and complexity by excluding the need for additional analog/digital converters.

Capturing crisp, concise images at 360x optical zoom ratio (30x zoom/12x digital) is simple for the FCB-EV7500. Moving image details are captured without blur, thanks to its progressive scanning feature, and its high quality lens presents a bright F1.6 maximum aperture. The FCB-EV7500 is small in size at 2 x 2-3/8 x 3-5/8 inches (50 x 60 x 89.7 mm), it weighs only 9.2 ounces (269 g). The Sony FCB-EV7100 Block Camera has a 10x wide-angle lens, a 12x digital zoom, and 120x with optical zoom, all packaged in a light weight, 7.4 ounces (210 g), compact design of 1-13/16 x 1-15/16 x 3-1/8 inches (45.6 x 48.8 x 78 mm).

The new Pleora iPORT™ SB-U3 USB3 External Frame Grabber is quickly becoming an industry favorite by offering users a more affordable and versatile way to tap into a broader selection of computing platforms by transporting high-speed imaging and video data from several of Sony's new FCB high definition cameras into an easy to use USB3 Vision™ package.

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Aegis Electronic Group, Inc. is a woman owned, small business, ISO9001:2008 Certified Organization specializing in the distribution, integration and support of visible, IR, Near IR cameras and thermal imaging components and modified integrated system solutions for Industrial Broadcasting, Bioscience, Drones, Military (UAV, UGV), Medical, Microscopy, Remote Monitoring, Security/Surveillance, Space, Traffic, Video Conferencing and Machine Vision imaging applications.

Committed to delivering value added solutions with the highest levels of technical support, customer service and quality hardware, Aegis, over the last 25 years, has transformed from a hardware provider into a full systems integrator of industrial analog and industrial digital camera systems.

Aegis works extensively with not only analog but with the latest digital technologies including FireWire®, Camera Link, USB 3.0, Gigabit Ethernet (GigE)® to meet the ever changing needs of their customers.