

CoaXPRESS™ Consortium announces new high performance Camera interface Standard

Stuttgart 3rd November, 2009; at the Vision Show in Stuttgart, the CoaXPRESS Consortium revealed plans for standardizing its revolutionary new high speed digital camera interface solution. CoaXPRESS is capable of sending video, control and power at high speeds over conventional coaxial cable. It combines the elegant simplicity of coax cable with state of the art high speed serial data technology.

The initial CoaXPRESS specification allows for a “base” configuration with 3.125 Gbit/s image transmission from the camera; there is also a “full” configuration offering 6.25 Gbit/s. For higher speeds, the full configuration can be implemented with two or more links, giving multiples of 6.25 Gbit/s channel speeds. In all cases, the system supports up to 20 Mbit/s control signaling and power transmission to the camera. CoaXPRESS works at distances of over 100m, which is more than 10 times the range offered by Camera Link solutions.

The Consortium partners are Adimec, a high end camera company based in the Netherlands; EqcoLogic, a fab-less semiconductor company based in Belgium that specializes in high performance communications devices; Active Silicon, a UK company specializing in frame grabbers and embedded systems; Components Express, a US based cabling specialist; AVAL Data, a leading Japanese frame grabber company; and NED, a Japanese camera and frame grabber vendor with particular strength in line-scan camera systems.

EqcoLogic and Adimec developed the first working CoaXPRESS prototype systems using a new “asymmetrical” transceiver circuit developed by EqcoLogic. Since that project finished, the two companies continued development, and then invited Active Silicon to join the team this year bringing their frame grabber expertise to the group. With prototypes of all components of a complete vision system now fully functional, the Japanese partners, AVAL Data and NED were invited to join the Consortium to develop products and support standardization.

The Consortium is developing the first draft of a CoaXPRESS specification and the Japan Industrial Imaging Association (JIIA) has agreed to host the standardization of CoaXPRESS.

For more information, please see the www.CoaXPRESS.com or contact

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