

Press Release

Department: Cameras / Vision Systems

Unique GigE Cameras with Multiple I/Os Allow Enhanced Lighting Control

Advanced Cameras Directly Control Pulse Width Modulated Signals

Southington, Conn. — September 15, 2009.... To increase the flexibility of machine vision systems and allow control over custom-designed LED illumination, Baumer has introduced advanced GigE cameras outfitted with 4 independent I/O ports located adjacent to the trigger and flash connection. The Baumer TXG Multi-I/O Cameras feature I/O ports with customizable pulse width modulated (PWM) signals. These ports allow a direct connection between the camera and the illumination module, eliminating PC-control over lighting.



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The camera's internal PWM controller can be programmed to set both the duty cycle and the frequency of the modulated signal. Each independent port provides a current of 100 mA. The internal sequencer technology allows the camera to take pictures with different settings for gain and exposure, and to control illumination without a PC, ensuring fast and reliable operation. The Baumer TXG Multi I/O Cameras are available with resolutions ranging from VGA to 5 megapixels and frame rates up to 90 frames-per-second.

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This article and the illustration are approved for publication

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Baumer Group

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