

Press Release

Department: Cameras

Baumer Offers High Speed Cameras for Demanding Machine Vision Applications

HX Cameras Capture 1.3 Megapixel Images at Extremely High Frame Rates up to 500 Frames per Second

Southington, Conn. — June 16, 2009.... For ultra-fast machine vision applications, Baumer has introduced the new HX Cameras, a series of high-speed CMOS cameras that offer frame rates up to 500 fps and resolutions greater than 1.3 megapixels at 1280 by 1024 pixels. These cameras excel in demanding machine vision applications such as semiconductor quality control or high speed industrial process analysis.



Figure 1: Capture 2729

2729-6-DCH.jpg

HX Series Cameras can deliver frame rates up to 120,000 fps by restricting image data to one, two or three regions of interest within the full frame. By supporting the CameraLink communication standard, the cameras can achieve guaranteed data transfer rates up to 680 MB per second.

HX Series Cameras provide exceptionally high photo sensitivity to 2500ASA, allowing high speed inspection even in low-light environments without the need for supplemental lighting. For highly dynamic applications containing very bright and very dark objects, the cameras offer an adjustment that resembles the non-linear dynamic response of the human eye.

For environments with changing light conditions or outdoor machine vision applications, HX Series Cameras offer a multi-exposure capability that delivers enhanced images with up to seven accumulated exposures. Each exposure results in a corresponding image.

For more information on the new Baumer HX Series High Speed Cameras, contact Baumer at (800) 937-9336, <http://www.baumergroup.com/cameras> or via e-mail at sales.us@baumergroup.com.

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