



***Toshiba Teli 12MP Camera Delivers Unprecedented Speed
and Image Quality for High-Volume Pick-and-Place Assembly***

IRVINE, CA, August 14, 2009 – To gain production cost advantages, high-volume manufacturers rely on vision-guided robotic systems for the precise identification, handling, packaging and placing of components. However, as the pace of manufacturing increases, these "pick-and-place" robots require faster, higher resolution cameras to accurately perform their assembly duties.

Establishing an optimal imaging platform for demanding pick-and-place applications, Toshiba Teli America, Inc. now offers its CleverDragon [CSC12M25BMP19](#), a CMOS-based machine vision camera boasting a proprietary and patented twelve-megapixel 1.9-inch CMOS monochrome progressive scan sensor. The new camera offers incredible HXGA 4096 (H) x 3072 (V) pixel resolution at 25-frames-per-second (fps) full-frame speed. By combining high speed readout and ultra high resolution with sharp image quality, along with signal-to-noise ratio that is close to a traditional CCD, the camera provides the fine detail for more accurate X Y coordinate of parts and greater overall throughput. To obtain the same resolution of this 12MP camera, 49 qty VGA cameras would need to be used.

The 12MP camera boasts high mechanical precision with ultra shock resistance for high shock and vibration environments with controls in place for high optical axis accuracy.

The CSC12M25BMP19 features an electronic global shutter to capture clear images of moving parts on even the fastest assembly lines. In addition, the camera's Window of Interest (WOI) function can be programmed to display a maximum of 28 region of interest windows within a single image which can then be selected via a PC as only those windows that are to be read out, significantly increasing fps rate.

Other key features include large square pixels (6.0µm x 6.0µm), an aspect ratio of 4:3, high sensitivity of 2000 lx (F5.6), wide dynamic range, and random trigger shutter.

For additional information, please call 1-888-687-6877.

About Toshiba Teli Corporation

Toshiba Teli America, Inc. is the North American subsidiary of Toshiba Teli Corporation, a world-leading manufacturer of CCD and CMOS cameras. Toshiba Teli Corporation has 400 employees and has a primary operation in Hino-City, Tokyo, and sales offices in Tokyo, Kobe, Nagoya and Fukuoka. In addition to cameras, Toshiba Teli Corporation manufactures a wide range of equipment, including surveillance camera systems including DVR recorders, LCD inspection equipment, multi-value image measurement and manufacturing equipment, and RF amplifiers.

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