

NEWS RELEASE

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For Immediate Release

Toshiba's Imaging Systems Division Introduces Hi-Resolution "Ice Cube" Cameras for Machine Vision

November 22, 2005 – Irvine, CA – Toshiba America's Imaging Systems Division, a

leader in advanced imaging technologies, introduces the miniature, high resolution, progressive scan, "ice-cube-size" CCD camera family, the IK-52V(1/2 inch) and IK-53V (1/3 inch). The tiny, 29 mm³ cameras weigh only 45 grams each and both feature VGA (video graphics array) resolution. The effective 659 x 494 pixels feature horizontal resolution at 500 TV lines. The wide selection of the shutter speed (from 1/60 to 1/100,000 sec.) and non-interlaced

shuttering offer crisp, clean images at high speeds. A 60 dB signal-to-noise ratio makes this high performance camera family ideal for industrial imaging environments.



The video graphics array outputs to either a frame grabber for data storage or direct to a VGA monitor for immediate review of the captured imagery. With the manual gain set to maximum, the minimum subject illumination setting is 1 lux at F1.4 sensitivity. Other features include the internal/external (HD/VD) synchronizing system with an HD/VD input/output that can be easily selected via the rear panel switch.

Toshiba's small, ultra-compact, "ice cube" cameras can be effortlessly integrated into machine vision systems where size and high resolution imaging are critical considerations for quality-sensitive inspection. Standard C-mount for lens, included.

Toshiba America is the *only* authorized sales channel for Toshiba brand industrial and scientific video cameras. For more information, please visit www.cameras.toshiba.com.

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Toshiba America's Imaging Systems Division is the premier supplier of high quality video cameras for machine vision, R&D and scientific applications. Advanced video imaging technology and high resolution cameras such as Toshiba's 3CCD color cameras and their remote head camera family has earned Toshiba America's Imaging Systems Division the distinctive reputation for offering the most advanced imaging solutions to the industrial and scientific communities.