

NEWS RELEASE

TOSHIBA AMERICA

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For Immediate Release

Toshiba Introduces New Model IK-TF7 – Third in 3CCD Machine Vision Camera Series

July 7, 2005 – Irvine, CA - Toshiba Digital Solutions Division, a division of Toshiba America Information Systems, Inc. and a leader in advanced imaging technologies, introduces the new **IK-TF7**, 3CCD 1024 x 768 progressive scan color camera. The IK-TF7 complements the IK-TF2 (NTSC) and IK-TF5 (progressive scan) models which have been commercially available for two years.



Ultra-compact, (44 W x 44 H x 78 D mm) and lightweight (5.82 oz.), the camera features a small form factor perfect for designing into space-sensitive machine vision applications. The advanced progressive scan color camera is ideally suited for online color inspection, product testing, identification and measurement applications and more.

The new IK-TF7 model has a smaller pixel size (4.65 x 4.65 μm) than Toshiba's IK-TF5 progressive scan model and features a removable IR filter feature. The TF camera series design has effectively eliminated image jitter through the incorporation of three 1/3-inch progressive scan CCDs. The co-site sampling arrangement of the CCDs eliminates RGB shift, making image capture more accurate with higher resolution (1024 x 768). Color reproduction is enhanced due to its color-shading correction feature.

For accurate capture of fast-moving color items under test, the camera features a variable-speed, electronic 9-step shutter ranging from 1/100th to 1/100,000th of a second, along with an advanced trigger function. In the partial scan mode, the IK-TF7 offers high-speed readout of up to 90 frames per second (fps). Full pixel, independent readout is 30 fps.

Toshiba's new camera features an RS-232C serial communications port (9600 or 19200 BAUD rate) to enable remote control operation via a PC. Other highlights include automatic and manual white balance, 1-pulse or 2-pulse random triggers, asynchronous reset, and a clean signal-to-noise ratio of 60dB. The C-mount allows the use of a wide variety of available lenses, including those used in microscopy applications.

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About Toshiba America Information Systems, Inc. (TAIS): Headquartered in Irvine, California, TAIS is comprised of three divisions: Digital Products Division, Digital Solutions Division and the Storage Device Division. Together, the three divisions provide mobile products and solutions, Internet access plans, communications, storage and imaging products and services. Products include industry-leading portable computers, projectors, DVD/CD recordable products and hard disk drives, telephony products, digital imaging systems, wireless solutions and services.

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