

PHOTONICS

showcase



September 2015

Bi-monthly product-focused newsletter with highlights from the latest issue of Photonics Showcase. Use the Request Info links below to ask for more information about these products, or visit Photonics.com/rssc.

Featured Products

Flexible Camera Solutions

From: Allied Vision Technologies GmbH

A leading maker of pharmaceutical visual inspection systems relied on Allied Vision's modular camera and expertise to reduce their wide range of packing control systems by developing a highly adaptable solution. Visit our website to read this exciting case study to learn how.



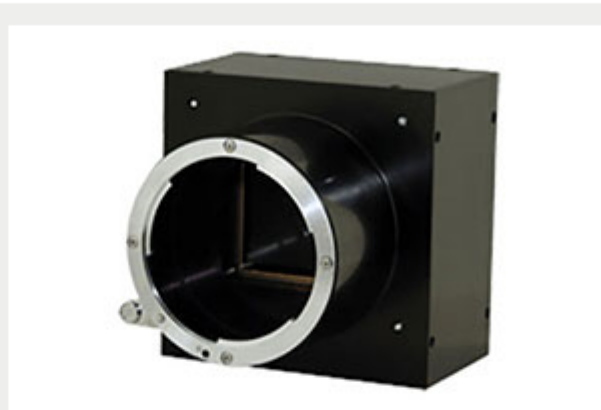
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SILICON VIDEO® 20 Camera

From: EPIX, Inc.

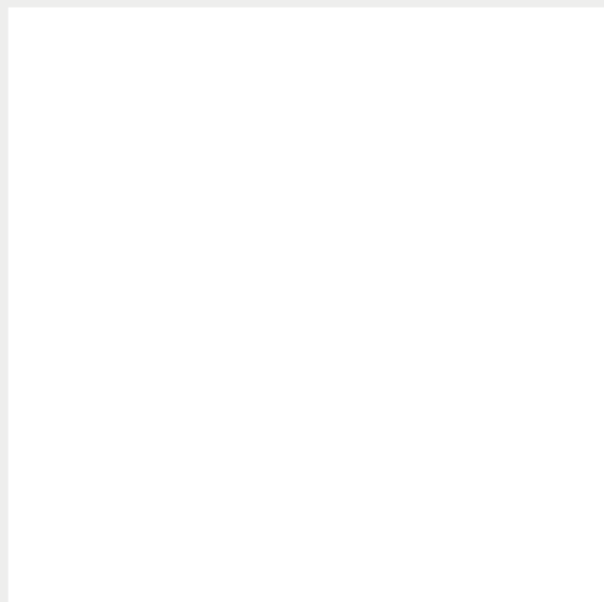
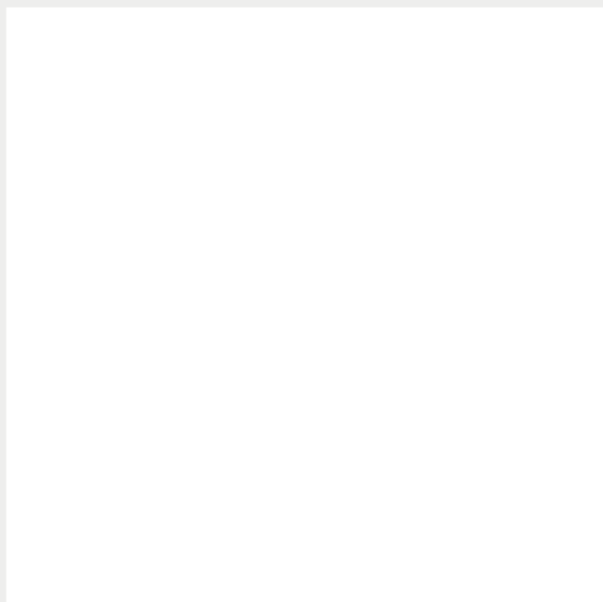
The SILICON VIDEO® 20M-CL monochrome or SILICON VIDEO® 20C-CL color cameras are 5120 × 3840 pixels and run at up to 30 fps with 8- to 12-bit output. Sensor size is 32.77 × 24.58 mm with 6.4-µm square pixels. The camera has an F-mount and a global shutter. Case is 76 × 76 × 89 mm.



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Additional Products



Spectroscopy-Certified™ Laser Diodes

Photodigm Inc.

Photodigm DBR lasers have made it possible to improve performance and reduce the size of tools used in atom cooling research.

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Precision Polymer Optics

G-S PLASTIC OPTICS

G-S PLASTIC OPTICS manufactures precision polymer optics for use in illumination, imaging, scanning and detection applications worldwide.

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Light Cable for Endoscopy Applications

SCHOTT North America, Inc., Lighting & Imaging

SCHOTT has developed new medical light guide cables with ecofriendly PURAVIS® glass optical fibers.

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532- and 550-nm Green Lasers

Necsel

Necsel's frequency-doubled lasers come in a variety of wavelengths from 529 to 538 nm and 550 to 555 nm with powers up to 3.75 W, spectral width of 0.1 nm, lifetime > 30,000 hours and a very compelling price point.

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Luminance/Radiance Sources

Labsphere, Inc., Photonics

Labsphere's new HELIOS line of uniform sources for luminance and radiance offers dynamic solutions combining the best features from Labsphere's 35+ years of innovation for remote sensing.

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Automated Alignment Telescope

Davidson Optronics, Inc.

The D-275-AAT focuses from 16 in. (40 cm) to infinity, and is used to align and measure the location and angular orientation of any number of targets along its optical axis.

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Mechanical-Bearing Stage

Aerotech, Inc.

Aerotech's PlanarDLA integrated, low-profile XY linear-motor stages with clear aperture feature high dynamics and exceptional geometric performance with straightness to ±500 nm, ±1.25-µm flatness, 5-µrad orthogonality, accuracy to ±400 nm, speeds to 2.0 m/s and accelerations to 2 g.

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High-Power Photodetectors

Electro-Optics Technology, Inc.

EOT manufactures a complete line of quality, high-speed photodetectors that deliver a fast and clean response.

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New Laser Spectrum Analyzer

Bristol Instruments, Inc.

Bristol Instruments has introduced the model 771, a high-resolution laser spectrum analyzer that measures the spectral characteristics of CW and high-repetition-rate pulsed lasers that operate from 375 nm to 12 µm.

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CMOS and CCD Image Sensors

Hamamatsu Corporation

We offer a variety of CMOS and CCD image sensors such as linear arrays suitable for spectroscopy and scanning applications, and area arrays suitable for machine vision, scientific applications and security imaging.

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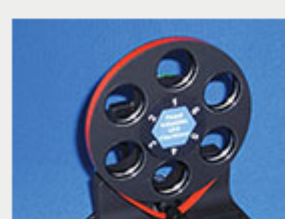


Linear Motor Servo Stage

Nutec Components Inc.

This Lineax-6 series is a modular linear motor stage suiting applications requiring speed and precision motion.

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USB Filter Wheel

Picard Industries

Picard's USB-FilterWheel system offers a compact, quiet and simple method of automating the selection of six 25-mm optical filters into a beam path.

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MicroMate 3:1 Zoom System

Navitar, Inc.

The MicroMate was designed to work with today's high-resolution 4/3-in. sensor cameras.

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Sapphire Wave Plates

Meller Optics, Inc.

Meller Optics sapphire wave plates for Er:YAG and holmium lasers extend polarization into the infrared and provide superior damage resistance to quartz and mica.

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LS Series Linear Stages

Applied Scientific Instrumentation, Inc.

ASI's LS Series of linear stages can be used in many applications that require precision motion control and micropositioning.

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ImageMaster MTF Measurement

TRIOPTICS GmbH

The ImageMaster® Series from TRIOPTICS features the most comprehensive line of MTF measurement stations characterizing virtually any existing lens system in NUV/VIS/NIR/LWIR.

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Questions: info@photonics.com

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