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Pharmaceutical Industry By nature of what is at stake, pharmaceutical and medical industries have developed much stricter standards compared to most other

The Pandemic Highlights Vision-Based Inspection in the

sectors. From day one, quality control and track-and-trace processes have been paramount for pharmaceuticals, and the COVID-19 pandemic has underscored the importance of vaccine quality as a global health issue. Read Article

Polarization can remove glare in vision systems and improve imaging

Polarization Cameras Get Ready for Prime Time

through transparent materials such as glass. This capability is beneficial for surface inspection of film thickness or tilt angle. It is also critical for spotting contaminants in products, when contaminants closely resemble the contents of plastic bins or impurities in pharmaceuticals. Read Article



Ruggedization Future-Proofs Lens Designs As machine vision applications have expanded rapidly beyond the

controlled environments of the factory, so too has the need for ruggedized lens designs that are able to meet more diverse and nuanced requirements. This is not to say that no demand remains in factory automation for shock- and high-vibration-resistant lenses. But solutions for industrialized imaging applications have been implemented for years now, and many of these techniques can be applied to less controlled environments, such as those navigated by autonomous vehicles and drones. Indeed, the volume of vision applications for factory automation could soon pale in comparison to uses outside the factory, while demand for autonomous services and systems continues to evolve and even accelerate, in no small part due to the current pandemic. Read Article



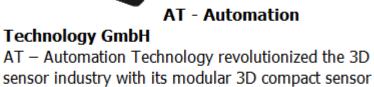
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Modular 3D Sensor with GenlCam 3D

.: Featured Products



AT – Automation Technology revolutionized the 3D

AT - Automation

(MCS) which is based on a modular system of sensor, laser, and link modules and recently

launched the new cx4090HS 3D sensor module which supplements the MCS series. Visit Website Request Info

PCIe Camera Modules for Embedded Vision

MATRIX VISION GmbH

The myBlueNAOS camera module series from MATRIX



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and Coatings

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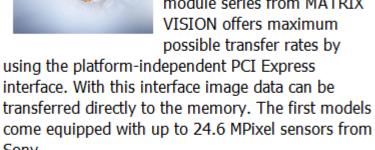
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Euresys SA

Alluxa Ultra Series Filters

Euresys' Open eVision

When it comes to the pharma



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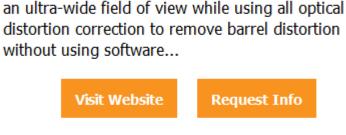
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film solutions available today. For example, the Ultra Series Flat Top Narrowband filters offer the narrowest bandwidths and squarest filter profiles in

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> Smart Camera with NVIDIA **Jetson Modules** Baumer Optronic GmbH

cameras for powerful AI applications. Baumer AX

Smart Camera uses Sony global shutter sensors, and

NVIDIA Jetson AI modules. Up to 5mp and 77 fps.

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data to draw conclusions about occupant activity.

AI Tool Uses Aerial Imaging to Scan Structures for Wildfire Damage A system developed by researchers from Stanford University and California Polytechnic State University called DamageMap uses aerial photography and artificial intelligence to assess wildfire damage to buildings. Rather than comparing before and after photos, the system is able to use machine learning to consider only post-fire images.

Army Tests Lidar Geo-Mapping at Fort Leonard Wood

Regimental Week to demonstrate lidar survey data collection capabilities.

applications. The system, the scientists said, is the first to use image

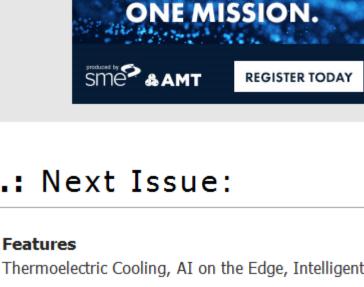
Representatives from the National Geospatial-Intelligence Agency research team in St. Louis met with U.S. Army Training and Doctrine Command Proponent Office Geospatial (TPO-GEO) service members and civilians during Army Engineer

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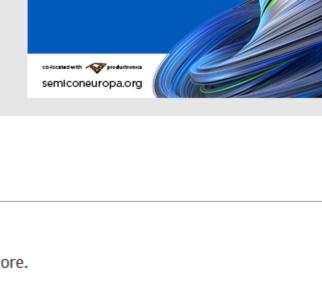
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