

PC & Industrie

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UNOFFICIAL ENGLISH TRANSLATION

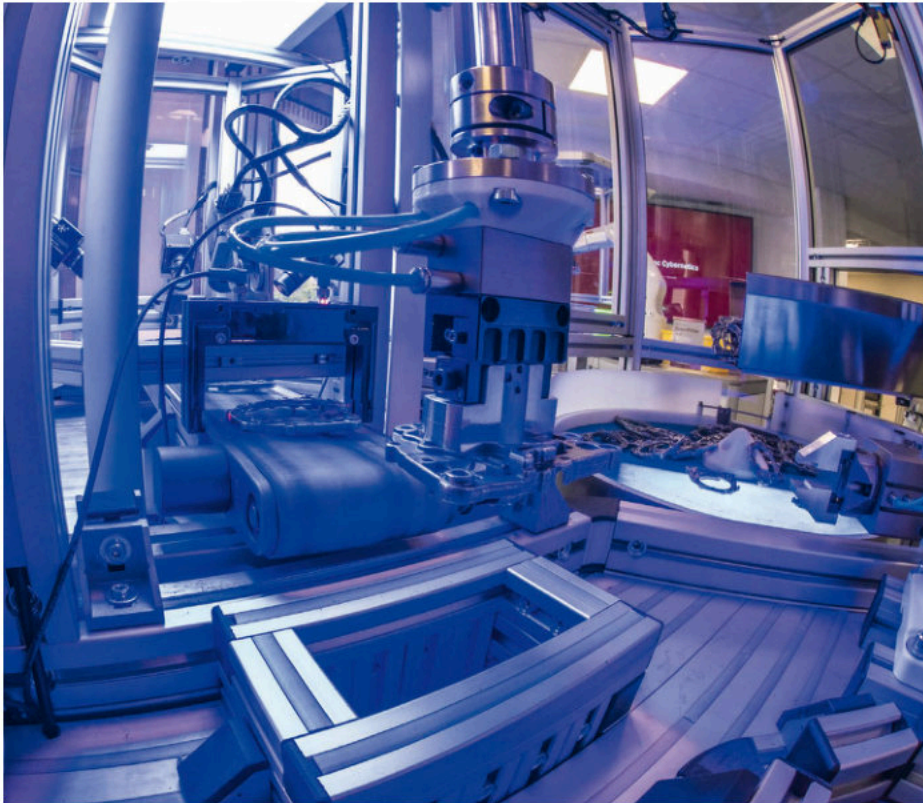
The original article was published in German in PC & Industrie, a trade magazine published in Germany. Prepared for CRETEC. The German original remains the reference.



A modular system packed with machine-vision flexibility

The adjacent Euresys / Sensor to Image advertisement remains unchanged. Original publisher artwork, logos and advertisements are retained in their original language.

A modular system packed with machine-vision flexibility



The unique modular QBIC system is the result of consistent synergies between networked, scalable, complete vision solutions for complex automation, quality assurance and traceability. Users achieve a chain of clear benefits across the entire value chain.

The consistently mobile platform design with modular hardware and software ensures exceptional flexibility in complete system solutions and substantially shortens project development and installation. Versatile QBIC modules with broad capabilities are connected directly into an autonomous system through control, data analysis and communication. The patented equilateral hexagonal design of the QBIC platforms provides excellent access from all sides and outstanding flexibility in designing particularly compact, mobile solutions. A module requires only 0.8 m x 0.8 m of floor space and has a maximum height of 2 m. Integrated retractable wheels allow it to pass quickly through normal office doorways and connect to other QBIC units. The FlexiBowl feeder, for example, reliably recognises and handles even sensitive parts measuring 1 to 250 mm and weighing 1 to 250 g.

Combining many vision tasks

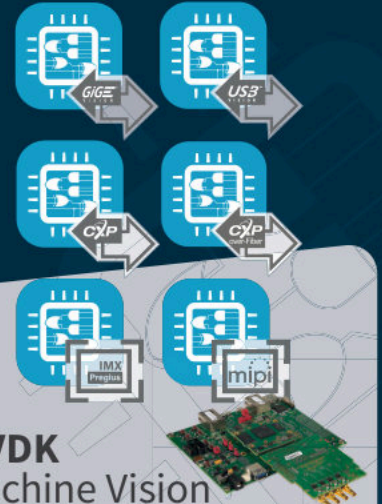
In the complete solution, many vision tasks are automated simultaneously in a minimal space, particularly economically and sustainably. Integration options include electrical systems, controls, high-performance PCs, cameras, the VisionTube code verifier, a cobot or robot, different vision modules, intelligent lighting, a large touchscreen monitor, and Industry 4.0 communication modules, from OPC UA to IOTA. A mains-independent power supply maintains operation even during a power failure, preventing data loss. Integrated high-performance PCs also make these solutions suitable for demanding artificial-intelligence tasks.

Applications

Complete QBIC solutions cover a broad range of applications: pick-and-place, registration and classification tasks, ID codes, inspection, 2D and 3D measurement, surface inspection, decision-making and sorting processes.

CRETEC GmbH
www.cretec.gmbh
www.cretec-cybernetics.com

FPGA IP CORES
ENGLISH TRANSLATION / GERMAN ORIGINAL
Lösungen für Machine Vision Applikationen
GIGE VISION, USB3 VISION, COAXPRESS, COAXPRESS-OVER-FIBER, SONY IMX PREGIUS AND MIPI CSI-2



MVDK Machine Vision Development Kit

- Alle gängigen Machine-Vision Schnittstellen verfügbar auf einer einzigen Entwicklungskarte
- Mit GigE Vision, CoaXPress und USB3 Vision kompatible Plattform
- Sony IMX Pregius- und MIPI CSI-2-Evaluierungsplattform
- GigE Vision bis zu 10 Gbit/s, CoaXPress bis zu CXP-12
- Unterstützung für Enclustra Mercury FPGA-Module mit Xilinx- und Intel-FPGAs

Custom Design

- Sensor to Image kann seinen Kunden jetzt kundenspezifische Designservices anbieten.
- Globale Fachkompetenz in den Anwendungsbereichen Automobile, Industrie, Medizin, Sicherheit, Militär und Raumfahrt, um Ihren spezifischen Anforderungen und Anfragen nachzukommen.

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