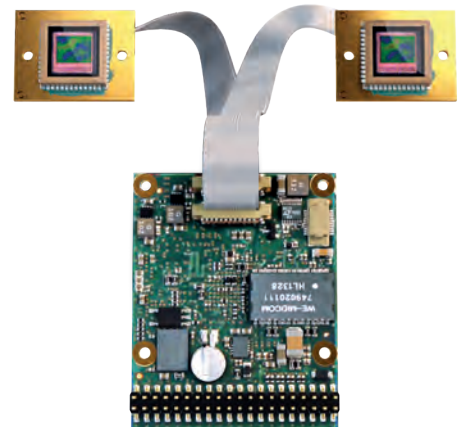**Image Processing by Fabrimex Systems**
Cameras - Lighting - Lenses

Vision Sensors and Systems

Our high-speed 3D profile sensors deliver precise and rapid 3D imaging for detailed analysis and inspection. Additionally, our embedded board cameras provide compact, high-performance solutions for seamless integration into various applications. Trust our advanced technologies to enhance your imaging capabilities and drive innovation in your operations.

Embedded Solutions

Discover the power of MIPI board industrial cameras at Fabrimex Systems. Our MIPI cameras are designed for high-performance applications, offering exceptional image quality, low latency and robust integration capabilities. Ideal for demanding industrial environments, these cameras provide precise and reliable imaging solutions for automation, inspection and quality control. Experience the future of industrial imaging with our advanced MIPI board cameras, engineered to meet your toughest challenges.

MIPI Smart Cameras

Matrox AltiZ 3D

The highly precise AltiZ high-speed 3D profile sensors feature a single-laser design with two cameras, significantly reducing scan gaps. Specialized algorithms inside the sensor automatically generate reliable 3D data in the form of individual profiles, depth maps or point clouds. A standard GigE Vision interface allows the user to directly work with a variety of image processing software.

Matrox AltiZ 3D

MIPI

Ultra-compact MIPI camera modules are ideal for embedded systems. They are fully compatible with all common processor boards. Corresponding drivers are available in source code. Our MIPI CSI cameras are compact, cost-optimized and available long-term.

MIPI Camera Modules

Lighting

Good image processing starts with the right lighting. Among others, we work with large and reliable manufacturers such as EFFILUX and OPT. Besides the vast standard lighting sortiment, we offer the possibility to customize your lighting solution to your needs starting from lot size 1.

Effilux

Product benefits

- Customized lighting
- IP67
- Overdrive
- Dimmable
- Polarization filter
- Infrared
- Segmentable

OPT Machine Vision – Ring Lights

Lenses

From quality assurance to production automation, lenses are an integral and critical quality factor in every image processing application. Immerse yourself in the world of industrial image processing and discover how our lenses can exceed your requirements for image quality and accuracy. We collaborate with large and reliable manufacturers such as OPT, Schneider-Kreuznach, Myutron and many others.

OPT – Liquid Lens Series

Product benefits

• Customized lenses
• Liquid lenses
• Telecentric lenses
• Light coupling
• From S- to M72-mount

MYUTRON – Telecentric Lens

Contact us: +41 44 908 13 60 – kontakt@fabrimex-systems.ch

Cameras

Incredible Cameras
From ultra-compact cameras that fit inside a golf ball to those boasting an impressive 151-megapixel resolution, we offer a wide range of cameras to meet diverse needs and applications.

IP67 Cameras
Our IP67 cameras set new standards for quality and performance in demanding industrial environments. With robust construction and active sensor alignment, they provide reliable solutions across various industries, ensuring durability and exceptional image quality.
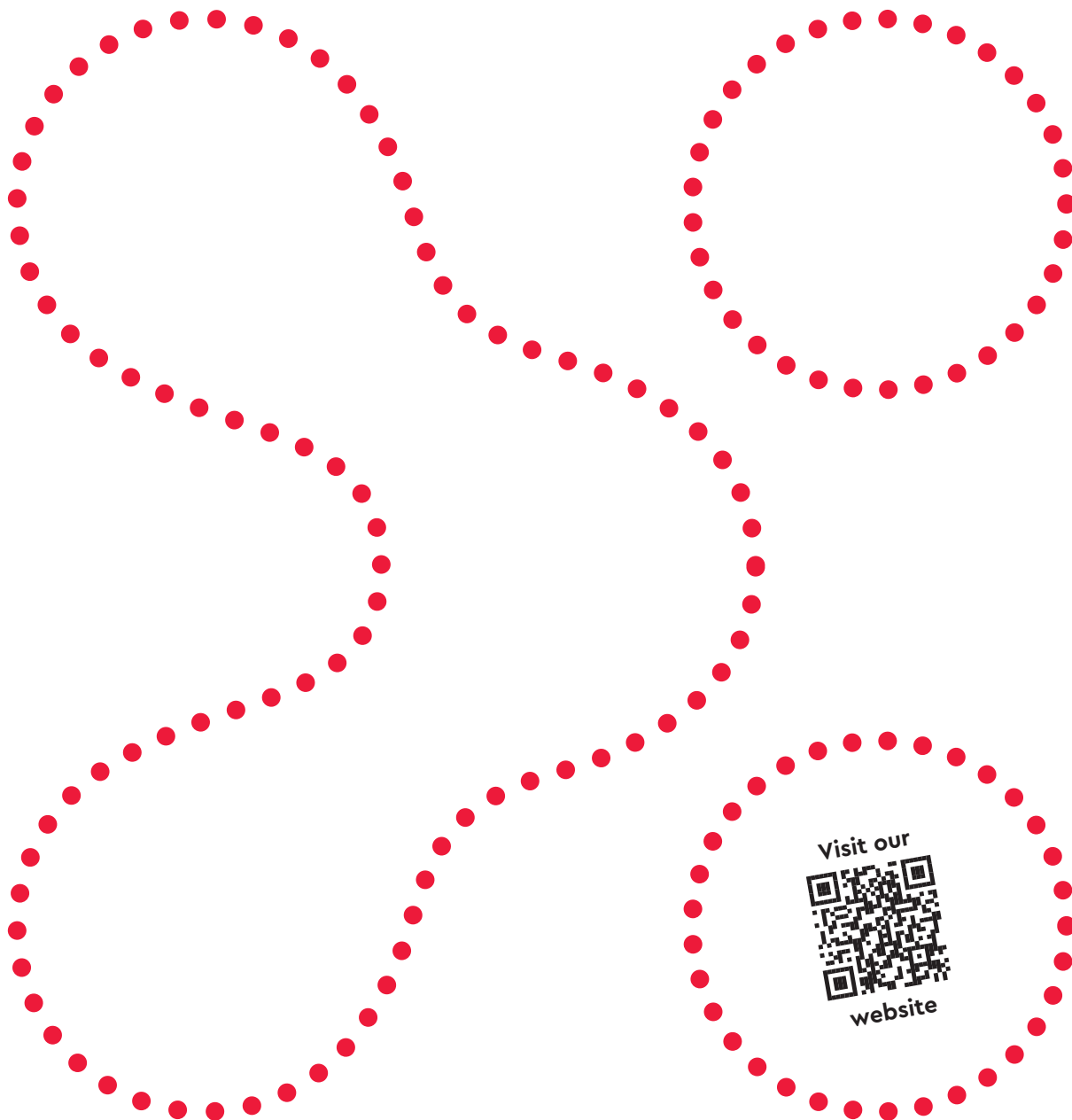
3D Time of Flight (ToF) Cameras
Experience effortless 3D imaging with our ToF cameras. They offer superior depth precision of 0.6 millimeters, interactive 3D point clouds, a working distance from 0.3 to 8.3 meters and an IP67 protected design. Develop high-quality 3D applications with image frequencies of up to 103 frames per second.

High-Speed Cameras
When speed and precision are critical, our high-speed cameras deliver exceptional performance for a variety of applications. Whether you are analyzing the motion of your tools or monitoring production, these cameras enable ultra-fast recordings without compromising on resolution.

Contact our sales team today at +41 44 908 13 60 or via email at kontakt@fabrimex-systems.ch to explore the possibilities for your needs.

Visit our

website

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