

## IMS optical module



### Overview

These modules consist of a half-size standard controller card (backend) and a dockable port expander card (front-End), providing a large variety of available and programmable output signals and physical connectors, including various electrical and optical interfaces. Customers typically use our Image Management System - "IMS" - for the entire workflow of their optical inspection, from image acquisition, administration, measuring & annotation, analysis to documentation. The modular design of IMS allows tailoring individual solutions for any customer. IMs are rugged vision sensors with integrated camera, optics, lighting and electronics. A digital microscope is a microscope without an eyepiece. Designed for. Advanced technology is what we do best—whether it be laser processes, helium leak testing, vision technology, precision assembly and aligning, micro-optics or fiber alignment. The know-how comprises the optical sensor element itself. All I/O slots (MRI, ESI and I/O) support any combination of I/O output modules. The company is headquartered in Heiligenhaus, Germany.



## Article Content

Imaging modules are digital microscopes

Designed for "smart" production and many "Industry 4.0" applications. Opto Imaging Modules bring an unprecedented level of user-friendly and easy-to-integrate

Imaging modules compact M

IM-compact M Imaging Modul The Opto IM-compact M's are characterized by the only 40mm wide 90° angled all-aluminum housing. They can be equipped with

Imagic IMS Pharma and BioScience | Imagic

For efficient documentation of examinations, the IMS Measuring and Annotation module provides all basic functions such as distance, area, circle, angle and

Optical Measuring Systems

With the help of the IMS Mobile Inspector App (MIA) for surcon 2D and 3D surface inspection systems (available for iOS and Android), inspection results can be

LNE-GbE: Network Expansion Module with SFP Option

This product is only compatible with Meinberg's line of modular IMS LANTIME systems. Visit the IMS Information Page to learn more. The LNE card adds

Inclusion Detection System (IDS) revolutionises quality

Unlike an optical surface inspection system, the Inclusion Detection System (IDS) is able to detect defects often lying completely within the material

Sensitive Single Photon Avalanche Diodes (SPADs)

For example, sensitive Single Photon Avalanche Diodes (SPADs) with customer specific properties (e.g. breakdown voltage) or "Opto" modules (e.g. UV

IMS Module for Standard Output Signals:

Basic Port Expansion The BPE module uses unmodified standard signals provided by backplane. signals from the upstream signal distribution unit (SDI, N2X) for our MDU syst ms. A BPE module

Optical modules | ams OSRAM

Unsere Hochleistungs-LEDs und Fotodioden werden in optische Frontend-Module von ams OSRAM integriert. Diese sind entsprechend der Signalstärke mit ausreichender optischer Isolierung

OPTICAL MEASURING SYSTEMS SURCON 3D SURFACE INSPECTION

Data is knowledge – important process knowledge that you can use effectively to optimise your production. The IMS sur-con 3D surface inspection system provides insights for the first time that

Applications | IMS | High Precision Manufacturing

IMS TECHNOLOGIES Range of applications Advanced technology is what we do best—whether it be laser processes, helium leak testing, vision technology,

Optical Systems

We offer our customers specific optical systems based on in-house fabrication at Fraunhofer IMS, but also based on other foundry processes. Furthermore, our

Imaging Module linea M

One imaging module placed next to each turning or milling machine enables fast Industry 4.0-relevant image data acquisition on site and not later in the lab. The

L.E.T. Electro-Optics 95098 Power Module FNIP

Find many great new & used options and get the best deals for L.E.T. Electro-Optics 95098 Power Module FNIP at the best online prices at eBay! Free shipping for many products!

Pharma / BioScience | Imagic Bildverarbeitung AG

As a hardware manufacturer-independent system supplier, we combine all necessary optical components such as microscopes, cameras and accessories with the Imagic image management

What are the Internal Components of an Optical Module?

The optical module is composed of many devices, including optoelectronic devices, functional circuits, and optical interfaces. Optoelectronics

SIRIUS Photonic Test Prober

Packaging defective dies wastes both valuable time and money. SIRIUS, our Photonics Testing Prober, is designed to take care of this problem. With Simultaneous electrical and optical ports connection,

Optical Systems

Optical Systems In more than 30 years, Fraunhofer IMS has built up a wide range of competencies and comprehensive know-how in the field of optical sensors and

Helios | IMS | High Precision Manufacturing Equipment

Helios enables the scale-up of high speed visual photonic wafer inspection Helios is a Photonic Visual Inspection Tool designed for wafer level inspection. The tool

IMS Output Modules: Configurable and fixed Outputs

All I/O slots (MRI, ESI and I/O) support any combination of I/O output modules. The selection of already available IMS output modules provides a stunning selection

Integrated Photonics | IMS | High Precision

Integrated Photonics is all about our equipment for high-precision positioning of Photonic Integrated Circuits (PICs), enabling you to optimize your back-end

Designing a Module for High-Speed Optical Communication

The ultimate goal for all-optical connectivity with an ultra-high F5G bandwidth is to increase transmission rates. Optical modules — the foundation of optical communication networks — face the design

Materials Science and Industrial Microscopes

Metallurgical Microscopes for Materials Analysis Metallurgical microscopes are specialized optical instruments designed for examining the microstructure of

Applications | IMS | High Precision Manufacturing

For over a decade, IMS has developed and supplied innovative equipment for optical components and sensors in a variety of applications. Learn about our products

## Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://sailingpoland.eu>

Email: [info@sailingpoland.eu](mailto:info@sailingpoland.eu)

Phone: +48 537 281 940

Address: ul. Puławska 12, 02-566 Warsaw, Poland

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