

Optical module VMA



Overview

The iNEXIV VMA series provides three types of measurement envelope together with a wide field of view optics. An optical module is a typically hot-pluggable optical transceiver used in high-bandwidth data communications applications. Optical modules typically have an electrical interface on the side that connects to the inside of the system and an optical interface on the side that connects to the outside. With a large field of view, a long working distance and large XYZ strokes, the iNEXIV VMA series offers the ultimate in usability for automatic measurement of 3D components. Whether you are creating a 100-Gbps or 400-Gbps, small form-factor pluggable (SFP) module, SFP+ transceiver, XFP module, CFP, X2/XENPAK module. The optical module serves as a crucial component in optical fiber communication systems, operating at the physical layer, which is the lowest layer in the OSI model. It is used along with general-purpose measurement applications for analysis of both standards-based signals and customized propriety signals.



Article Content

Sep 15, 2025

VMA GmbH

VMA GmbH VMA is specialized in designing and producing opto-electronic measuring and testing equipment for the glass industry, particularly thickness measuring equipment. Our equipment is

Jan 30, 2026

What Is An Optical Module?

An optical module converts electrical signals to light for fast, reliable data transfer in networks, essential for cloud computing, telecom, and data centers.

Mar 28, 2026

NIKON Vision Measuring System NEXIV VMA

Model: INEXIV VMA SERIES Brand: Nikon Origin: Japan Summary Various Measuring Applications with a Wide FOV The iNEXIV VMA series provides three

Jan 05, 2026

NIKON Vision Measuring System NEXIV VMA

The iNEXIV VMA series provides three types of measurement envelope together with wide field of view optics. These touch probe-ready systems are ideal for a

May 28, 2026

Nikon iNEXIV VMA-4540

The VMA-4540 is equipped with episcopic (top), diasopic (bottom) and 8-segment ring (with 18-degree oblique angle) LED illuminators. Combining these

Apr 22, 2026

iNEXIV VMA Series

The iNEXIV VMA series provides three types of measurement envelope together with a wide field of view optics. These touch probe-ready systems are ideal for a wide variety of industrial measurement,

Jan 22, 2026

Vitreomacular Traction Syndrome | Springer Nature Link

Vitreomacular traction syndrome (VMT) is a vitreoretinal interface disorder characterized by anomalous posterior vitreous detachment (PVD) with persistent

Sep 29, 2025

The Most Comprehensive Guide Of Optical Modules

Explore the ultimate guide to optical modules. Learn types, functions, performance metrics & how to choose the right module for your fiber network.

Jul 26, 2025

Diagnosing and Treating Vitreomacular Adhesion

Overview Perifoveal vitreous detachment with residual vitreofoveal adhesion is considered as the first stage of posterior vitreous detachment. A key point is the transition from an innocuous

May 18, 2026

Vitreomacular Adhesion: What It Is, What to Watch For

Vitreomacular adhesion (VMA) can be serious, but it's treatable. It involves two parts of your eye. One is the vitreous, or the "jelly" part that fills the eyeball. The other is the macula ...

Oct 15, 2025

Optical module design resources | TI

View the TI Optical module block diagram, product recommendations, reference designs and start designing.

May 19, 2026

Effects of Vitreomacular Adhesion on Age-Related Macular Degeneration

Herein, we review the association between vitreomacular adhesion (VMA) and neovascular age-related macular degeneration (AMD). Meta-analyses have shown that eyes with

Sep 04, 2025

Optical Measuring and Control Equipment Inspection Glass

VMA is specialized in designing and producing opto-electronic measuring and testing equipment for the glass industry, particularly thickness measuring equipment.

Nov 09, 2025

Full article: Prevalence of vitreomacular adhesion: an optical ...

The aims of this study were to determine the prevalence of vitreomacular adhesion (VMA) in a random sample of clinical patients at three US retina clinics and to assess comorbid retinal

Sep 13, 2025

Understanding Optical Modules: Working Principles,

Explore the working principles, structures, and performance metrics of optical modules, essential components of optical fiber communication systems.

Nov 24, 2025

Prevalence of vitreomacular adhesion: an optical coherence

The aims of this study were to determine the prevalence of vitreomacular adhesion (VMA) in a random sample of clinical patients at three US retina clinics and to assess comorbid retinal

Mar 31, 2026

Vitreomacular Adhesion on OCT: What You Need to Know

Vitreomacular adhesion (VMA) describes a condition where the vitreous gel, which fills the back of the eye, remains attached to the macula, the area of the retina responsible for sharp, central

Mar 10, 2026

SyMPtoMATIC VitREoMACULAR ADHESion (Symptomatic VMA)

How Do Eye Doctors check for Symptomatic VMA? Eye care professionals are able to detect Symptomatic VMA through a complete, dilated eye examination including an optical coherence

Oct 14, 2025

What Is an Optical Module and Its FAQs (V300)

As an important part of fiber-optic communication, an optical module is a photoelectric converter which converts electrical signals into optical signals and vice versa. An optical module

Mar 18, 2026

Installing VMA

Installing VMA as libvma Profile Use the DOCA profile called libvma, which includes only the VMA library and its user space dependencies (without driver stack). For containerized environments, Containers

Sep 28, 2025

VMA | Messtechnik für die Glasindustrie

Die VMA GmbH ist spezialisiert auf optische, berührungslose Messtechnik & Automatisierung für die Glasindustrie und widmet sich der Herstellung & Entwicklung

Apr 10, 2026

The Evolution of Understanding of Vitreomacular Adhesion

Because we now have access to advanced imaging techniques, from time-domain optical coherence tomography (OCT) to spectral-domain (SD) OCT, we are further ahead in our understanding of VMA,

Nov 25, 2025

Using the Keysight Vector Modulation Analysis Measurement

N9054EM0E Vector Modulation Analysis (VMA) is a general-purpose measurement application which allow customers configure the signal with two segments for analyzing complex signals like DVB-S2

Sep 24, 2025

Nikon iNEXIV VMA-2520

The iNEXIV VMA-2520 is a new multi-sensor measuring system that's lightweight and compact enough to be used in the factory on the bench top, with fast, fully

Nov 09, 2025

Symptomatic Vitreomacular Adhesion (VMA): Diagnosis,

Michael Trese, MD: Vitreomacular adhesion (VMA) is a condition when the vitreous gel adheres in an abnormally strong manner to the retina. VMA can lead to

Oct 05, 2025

VMA Module

The VMA0055 is a DC voltage and current measurement and simulation module for use with the Meriam MFT 4000 Series Multi-Function Tester. The module features the functionality of a DVM and loop

Contact Us

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