

# Monochrome Opto IM Compact M Digital Microscope Module



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#### General

IC10-05O23MU3101 **Model Number:**

Monochrome **Type:**

Coaxial + Ring **Type of Illumination:**

3m USB 3.1 Cable Included **Note:**

## Physical & Mechanical Properties

2.3 x 1.9      **Field of View (mm):**

175 x 80 x 40      **Dimensions (mm):**

700      **Weight (g):**

## Optical Properties

17.50      **Working Distance (mm):**

## Sensor

36.00      **Frame Rate (fps):**

IMX264      **Imaging Sensor:**

5.01      **Resolution (Megapixels):**

12 bit      **Pixel Depth:**

2,456 x 2,054      **Pixels (H x V):**

Global      **Shutter Type:**

11.05      **Sensor (mm):**

## Hardware & Interface Connectivity

USB 3.1 Gen.1, Type C      **Connector:**

## Regulatory Compliance

[View](#)      **Certificate of Conformance:**

## Product Details

- Digital Microscope with Integrated Optics, Color or Monochrome Camera, and Illumination
- Plug & Play USB3.1 Interface
- Image Capture Software and SDK Included
- [Calibration](#) and [Particle](#) Targets Available

Opto IMCompact MDigital Microscope Modules are a compact, easy to use, complete microscope system that includes high resolution optics, an IMX264 5MP Camera, and illumination all enclosed in an aluminum housing. With no additional objectives required, these modules are easy to set up, portable, and feature a USB 3.1 interface allowing for simple configuration without compromising on performance. These 90° angled reflected light digital microscope modules feature coaxial incident light and diffuse ring light LED illumination. Opto IMCompact MDigital Microscope Modules include the OptoViewer 2.0 software for camera and light control as well as simple measurement and documentation tasks. These digital microscope modules are ideal for quality and metrology labs, in-process inspection, and applications requiring measurement, analysis, and documentation.

**Note:** Each unit includes a 3m USB3 cable.

Optical calibration and resolution testing can be achieved with the optional [Calibration Target Micro V1](#) with four unique quadrants that combine resolution targets with measurement scales, and the [Particle Standard Target](#) which allows the measurement and analysis through objects of different forms and sizes or of resolution in line pairs per mm.