

Monochrome Opto IM Profile M Digital Microscope Module



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General

IP10-08X03MJ5201 **Model Number:**

Monochrome **Type:**

Transmitted light 4000K **Type of Illumination:**

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

Physical & Mechanical Properties

0.42 x 0.35 **Field of View (mm):**

193 x 140 x 40 **Dimensions (mm):**

1400 **Weight (g):**

Optical Properties

20x **Magnification:**

3.60 **Working Distance (mm):**

800 **Resolution (lp/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 IMProfile MDigital Microscope Modules are a compact, easy to use, complete microscope system that comes equipped with a system magnification of 20X, an IMX264 5MP Camera, and transmitted 4000K white light illumination all enclosed in an aluminum housing. With no additional objectives required, these U-shaped modules are easy to set up, portable, and feature a USB 3.1 interface allowing for simple configuration without compromising on performance. Opto IMProfile MDigital Microscope Modules include the OptoViewer 2.0 software for precise camera and light control as well as simple measurement and documentation tasks. These digital microscope modules are ideal for imaging flow cytometry and pathology applications, as well as a host of quality, metrology, and R&D applications.

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.