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Pixelink M-Series M12BM-CYL Microscopy Monochrome Camera



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Monochrome

Spectrum:

General

Monochrome Microscopy Camera

Type:

M12BM-CYL

Model Number:

Pixelink

Manufacturer:

M-Series

Camera Series:

Physical & Mechanical Properties

80.88 x 54.01 (excludes lens mount)

Dimensions (mm):

218.5

Weight (g):

Full

Housing:

Sensor

Not Specified

Image Buffer:

1.1"

Sensor Format:

12.30

Resolution (Megapixels):

23.40

Frame Rate (fps):

4,096 x 3,000

Pixels (H x V):

3.45 x 3.45

Pixel Size, H x V (µm):

14.1 x 10.4

Sensing Area, H x V (mm):

Sony IMX304

Imaging Sensor:

Progressive Scan CMOS

Type of Sensor:

Global

Shutter Type:

8/12 bit

Pixel Depth:

Not Specified

Exposure Time:

70

Dynamic Range (dB):

USB3 Vision

Machine Vision Standard:

Electrical

Not Specified

Power Consumption (W):

Hardware & Interface Connectivity

USB 3.0

Interface:

USB 3.0, Micro-B

Connector:

Power over USB

Power Supply:

None

GPIOs:

Software Trigger

Synchronization:

Back Panel

Interface Port Orientation:

None

GPIO Connector Type:

Threading & Mounting

C-Mount

Mount:

No Mounting Threads/Tripod Adapter

Mounting Threads:

Environmental & Durability Factors

0 to +50

Operating Temperature (°C):

-45 to +85

Storage Temperature (°C):

Regulatory Compliance

Compliant

RoHS 2015:

Product Details

- High Resolution Sensors up to 20 MegaPixel
- Pixelink® Capture Software Included
- Compact Form Factor
- Optional Three-Tier µScope Microscopy Software

Pixelink® M-Series Microscopy Cameras provide cost-effective, high-resolution imaging capabilities for both brightfield and darkfield microscopy. These cameras are designed to capture high resolution images at up to 20MP and are available with various sensor sizes and frame rates. These cameras include a USB 3.0 cable and Pixelink® Capture Software, making it easy to integrate into existing microscopy systems in a variety of laboratory settings. The optional three-tier µScope Microscopy Software (Essentials, Standard, Professional) offers advanced microscopy targeted features and measurement tools such as live measurement, time lapse capture, and live image comparison. Pixelink® M-Series Microscopy Cameras are ideal for demanding applications requiring high resolution and low noise imaging including life science, metrology, and medical imaging.

Note: Pixelink® Capture Software available for download. USB 3.0 cable included.
