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Lumenera INFINITY 8-2M Microscopy Monochrome Camera

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− 1 + \$2,975.⁰⁰

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Monochrome **Spectrum:**

General

Monochrome Microscopy Camera **Type:**

i8-LM00-02M **Model Number:**

Teledyne Lumenera **Manufacturer:**

INFINITY Camera Series:

Physical & Mechanical Properties

Dimensions (mm):
41.5 x 45 x 45 (includes lens mount)

Weight (g):
108

Housing:
Full

Sensor

Image Buffer:
128MB

Sensor Format:
1"

Resolution (Megapixels):
1.70

Frame Rate (fps):
96.00

Pixels (H x V):
1,608 x 1,104

Pixel Size, H x V (µm):
9.00 x 9.00

Sensing Area, H x V (mm):
14.47 x 9.94

Imaging Sensor:
Sony IMX432

Type of Sensor:
Progressive Scan CMOS

Shutter Type:
Global

Pixel Depth:
8/12 bit

Dynamic Range (dB):
72

Electrical

Power Consumption (W):
2.3 - 3.6

Hardware & Interface Connectivity

Interface:
USB 3.1

Power Supply:
Power over USB

GPIOs:
Not Specified

Synchronization:
Hardware Trigger (GPIO)

Interface Port Orientation:
Side Panel

GPIO Connector Type:
9-pin Hirose (JST)

Threading & Mounting

Mount:
C-Mount

Mounting Threads:
M3x0.5 (Integrated into Housing)

Environmental & Durability Factors

Operating Temperature (°C):
0 to +50

Storage Temperature (°C):
-30 to +70

Regulatory Compliance

Certificate of Conformance:
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Product Details

- Exceptional Low Light Sensitivity
- Ideal for Life Sciences, Clinical, and Industrial Applications
- Affordable Price Point with Included Microscopy Software



Teledyne
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Teledyne Lumenera INFINITY8 Microscopy Cameras offer an affordable solution for low light imaging in a compact form factor. Featuring low noise and large pixels, these cameras are ideal for a wide range of lighting conditions including the low light levels common in fluorescence imaging. Available with 1/1.8", 2/3", and 1" sensor sizes and megapixel range of 2 – 20 MP, each camera is compatible with Windows and Mac operating systems. Teledyne Lumenera INFINITY8 Microscopy Cameras include an INFINITY ANALYZE 7 software license, for camera operation and immediate analysis of the imaging results, and 3m Micro-B to Type-A USB cable.
