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# Lumenera INFINITY 8-2M Microscopy Monochrome Camera

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## Product Downloads

Monochrome

Spectrum:

## General

Monochrome Microscopy Camera

Type:

i8-LM00-02M

Model Number:

Teledyne Lumenera **Manufacturer:**

INFINITY **Camera Series:**

## Physical & Mechanical Properties

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

108 **Weight (g):**

Full **Housing:**

## Sensor

128MB **Image Buffer:**

1" **Sensor Format:**

1.70 **Resolution (Megapixels):**

96.00 **Frame Rate (fps):**

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

9.00 x 9.00 **Pixel Size, H x V (µm):**

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

Sony IMX432 **Imaging Sensor:**

Progressive Scan CMOS **Type of Sensor:**

Global **Shutter Type:**

8/12 bit **Pixel Depth:**

72 **Dynamic Range (dB):**

## Electrical

2.3 - 3.6 **Power Consumption (W):**

## Hardware & Interface Connectivity

USB 3.1 **Interface:**

Power over USB **Power Supply:**

Not Specified **GPIOs:**

Hardware Trigger (GPIO) **Synchronization:**

Side Panel **Interface Port Orientation:**

9-pin Hirose (JST) **GPIO Connector Type:**

## Threading & Mounting

C-Mount **Mount:**

M3x0.5 (Integrated into Housing) **Mounting Threads:**

## Environmental & Durability Factors

0 to +50 **Operating Temperature (°C):**

-30 to +70 **Storage Temperature (°C):**

## Regulatory Compliance

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

## Product Details

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



Teledyne  
Authorized  
Distributor

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.

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