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# Lumenera INFINITY 8-3M Microscopy Monochrome Camera

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## Product Downloads

Monochrome **Spectrum:**

## General

Monochrome Microscopy Camera **Type:**

i8-LM00-03M **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:

2/3" Sensor Format:

2.90 Resolution (Megapixels):

62.00 Frame Rate (fps):

1,944 x 1,472 Pixels (H x V):

4.5 x 4.5 Pixel Size, H x V (µm):

8.75 x 6.62 Sensing Area, H x V (mm):

Sony IMX429 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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