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# Lumenera INFINITY 8-8M Microscopy Monochrome Camera

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## Product Downloads

Monochrome **Spectrum:**

## General

Monochrome Microscopy Camera **Type:**

i8-LM00-08M **Model Number:**

Teledyne Lumenera **Manufacturer:**

INFINITY Camera Series:

## Physical & Mechanical Properties

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

Weight (g):  
108

Housing:  
Full

## Sensor

Image Buffer:  
128MB

Sensor Format:  
1/1.8"

Resolution (Megapixels):  
8.30

Frame Rate (fps):  
44.00

Pixels (H x V):  
3,840 x 2,160

Pixel Size, H x V (µm):  
2.00 x 2.00

Sensing Area, H x V (mm):  
7.68 x 4.32

Imaging Sensor:  
Sony IMX334

Type of Sensor:  
Progressive Scan CMOS

Shutter Type:  
Rolling

Pixel Depth:  
8/12 bit

Dynamic Range (dB):  
73

## 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:  
[View](#)

## 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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