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Lumenera INFINITY 8-3M Microscopy Monochrome Camera

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Spectrum:
Monochrome

General

Type:
Monochrome Microscopy Camera

Model Number:
i8-LM00-03M

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.
