

Lumenera INFINITY5 5-3 Microscopy Monochrome Camera

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Stock #16-677 **1 In Stock**

- 1 + MRP ₹3,95,595

i Price inclusive of all taxes

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Monochrome **Spectrum:**

General

Monochrome Microscopy Camera **Type:**

INFINITY5-3M **Model Number:**

Manufacturer:

Camera Series:
INFINITY

Physical & Mechanical Properties

Dimensions (mm):
97.8 x 69.8 x 50.8 (excludes lens mount)**Weight (g):**
330**Housing:**
Full

Sensor

Image Buffer:
Not Specified**Sensor Format:**
1/1.8"**Resolution (Megapixels):**
3.00**Frame Rate (fps):**
120.00**Pixels (H x V):**
2,064 x 1,544**Pixel Size, H x V (µm):**
3.45 x 3.45**Sensing Area, H x V (mm):**
7.12 x 5.33**Imaging Sensor:**
Sony IMX252**Type of Sensor:**
Progressive Scan CMOS**Shutter Type:**
Global**Pixel Depth:**
8/12 bit**Exposure Time:**
161µs - 500ms (video)**Dynamic Range (dB):**
73**Read Noise (e⁻):**
2.35

Electrical

Power Consumption (W):
4

Hardware & Interface Connectivity

Interface:
USB 3.1 Gen 1 (HDMI)**Power Supply:**
Power over USB**GPIOs:**
Not Specified**Synchronization:**
Hardware Trigger (GPIO)**Interface Port Orientation:**
Side Panel**GPIO Connector Type:**
8-pin Hirose (MRX)

Threading & Mounting

Mount:
C-Mount**Mounting Threads:**
2 x 1/4-20 (Integrated into Housing)

Environmental & Durability Factors

Operating Temperature (°C):
0 to +50**Storage Temperature (°C):**
-30 to +70

Regulatory Compliance

Certificate of Conformance:
[View](#)

Country of Origin:

Canada

Imported By:

Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
Phone: +91- 80-6845 0000

Product Details

- Ideal for Life Sciences, Clinical, and Industrial Applications
- USB or HDMI Video Output Options
- Powerful Capture and Analysis Software Included
- PC & Mac Compatibility



Teledyne
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Distributor

Teledyne Lumenera INFINITY5 Microscopy Cameras are an excellent fit for quantitative and low-light applications. These cameras are compatible with any c-mount, come complete with image analysis software and an industry leading four (4) year warranty. The CMOS models also have HDMI output, enabling direct video output to monitors with an HDMI port. Their high dynamic range and 14-bit output make these cameras a versatile entry-level research camera for documentation and image analysis in life science, clinical and material science applications. Teledyne Lumenera INFINITY Microscopy Cameras easily manage seconds of exposure time with a dark current rating of less than 1 e-/s and a low noise level comparable to sCMOS cameras.

These Teledyne Lumenera INFINITY5 Microscopy Cameras feature ultra-sensitive Sony sensors, and their performance and price make them an ideal solution for fluorescence applications. The cameras feature a unique noise reduction technology that includes high grade components, low noise electronics and improved thermal management techniques.

Note: The INFINITY3 & INFINITY2 Series have been discontinued by the manufacturer but are still available for purchase in limited quantities.
