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Lumenera INFINITY5 5-3 Microscopy Monochrome Camera

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1

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 ₹3,82,409

 Price inclusive of all taxes

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Monochrome	Spectrum:
General	
Monochrome Microscopy Camera	Type:
INFINITY5-3M	Model Number:
	Manufacturer:

Teledyne Lumenera	
INFINITY	Camera Series:
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 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.