

Lumenera INFINITY5 5-3 Microscopy Monochrome Camera

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1

+

 C\$5,215⁰⁰

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

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 ¼-20 (Integrated into Housing)		
Environmental & Durability Factors		
Operating Temperature (°C):		
0 to +50		
Storage Temperature (°C):		
-30 to +70		
Regulatory Compliance		
Certificate of Conformance:		
View		

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.