

Lumenera INFINITY5 5-3 Microscopy Monochrome Camera

See More by [Teledyne Lumenera](#)



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

- 1 +

C\$5,215^{.00}

ADD TO CART



Volume Pricing	
Qty 1+	C\$5,215.00 each
Need More?	Request Quote

Product Downloads	
Spec Sheets	Software
EO Spec Sheet	

Spectrum: Monochrome

General

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

Sony IMX252

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



Teledyne
Authorized
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.

Accessories

Note: Compatible accessories for individual stock numbers may vary. If unsure about which accessories work with your products, please contact us [here](#).

	Title	Compare	Stock Number	Price	Buy
MORE+	GPIO Breakout Cable for Lumenera INFINITY5 Cameras		#16-681	C\$109.20 Request Quote	1 In Stock <input type="text" value="1"/>
MORE+	ACC-01-2303 1m USB3 Cable TypeA-MicroB		#70-313	C\$97.50 Request Quote	CONTACT US <input type="text" value="1"/>
MORE+	ACC-01-2304 1m metal USB TypeA-MicroB		#70-314	C\$61.60 Request Quote	1 In Stock <input type="text" value="1"/>
MORE+	ACC-01-2305 3m metal USB3 TypeA-MicroB		#70-315	C\$79.80 Request Quote	5 In Stock <input type="text" value="1"/>
MORE+	ACC-01-6001 USB3 Hub VIA VL812		#70-321	C\$112.00 Request Quote	1 In Stock <input type="text" value="1"/>

	Title	Compare	Stock Number	Price	Buy
	MORE+ CS- to C-mount Adapter		#70-319	C\$16.80 Request Quote	5 In Stock <input type="text" value="1"/> 
	MORE+ CS- to S-mount (M12) Adapter		#70-320	C\$16.80 Request Quote	1 In Stock <input type="text" value="1"/> 

Imaging Lens Selector



Factory Automation
 Telecentric
 M12

Custom Sensor
 Camera Model
Camera Model:

Number of Horizontal Pixels:

1

Number of Vertical Pixels:

2

Pixel Size (µm):

3

Working Distance (mm):

4

Horizontal Field of View (mm):

5

Disclaimer: Values represent theoretical values from lens design software. Actual lens performance varies due to manufacturing tolerances.

Resources

Media Type

- Application Note
- FAQ
- Glossary

APPLICATION NOTE

Optical
Microscopy
Application:
Brightfield...

APPLICATION NOTE

Optical
Microscopy
Application:
Darkfield...

APPLICATION NOTE

Optical
Microscopy
Application:
Phase...

? FAQ

You have a
variety of
Mitutoyo Tube
Lenses (MT-...

? FAQ

I have an MT-
Accessory
Tube Lens but
I am unsure...

GLOSSARY

Aspect Ratio

[View More](#)