

# Lumenera INFINITY 2-1R Microscopy Monochrome Camera

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**Video Output:**  
USB 2.0

**Type:**  
Monochrome Microscopy Camera

**Manufacturer:**  
Teledyne Lumenera

**Mounting Threads:**

|                                                                     |
|---------------------------------------------------------------------|
| 2 x ¼-20 (Integrated into Housing)                                  |
| <b>Image Buffer:</b><br>Not Specified                               |
| <b>Camera Family:</b><br>INFINITY                                   |
| <b>Model Number:</b><br>INFINITY2-1R                                |
| <b>Imaging Sensor:</b><br>Sony ICX205                               |
| <b>Type of Sensor:</b><br>Progressive Scan CCD                      |
| <b>Type of Shutter:</b><br>Global                                   |
| <b>Camera Sensor Format:</b><br>1/2"                                |
| <b>Resolution (MegaPixels):</b><br>1.40                             |
| <b>Pixels (H x V):</b><br>1,392 x 1,040                             |
| <b>Pixel Size, H x V (µm):</b><br>4.65 x 4.65                       |
| <b>Sensing Area, H x V (mm):</b><br>6.47 x 4.84                     |
| <b>Frame Rate (fps):</b><br>30.00                                   |
| <b>Pixel Depth:</b><br>8/14 bit                                     |
| <b>Exposure Time:</b><br>48µs - 500ms (video)                       |
| <b>Power Supply:</b><br>Power over USB                              |
| <b>Power Consumption (W):</b><br>2.5                                |
| <b>GPIOs:</b><br>N/A                                                |
| <b>Synchronization:</b><br>N/A                                      |
| <b>Dimensions (mm):</b><br>97.8 x 69.8 x 50.8 (excludes lens mount) |
| <b>Weight (g):</b><br>340                                           |
| <b>Mount:</b><br>C-Mount                                            |
| <b>Housing:</b><br>Full                                             |
| <b>Interface Port Orientation:</b><br>Side Panel                    |
| <b>Dynamic Range (dB):</b><br>64.6                                  |
| <b>Operating Temperature (°C):</b><br>0 to +50                      |
| <b>Storage Temperature (°C):</b><br>-30 to +70                      |
| <b>GPIO Connector Type:</b><br>None                                 |

## Regulatory Compliance

|                                                            |
|------------------------------------------------------------|
| <b>RoHS:</b><br><a href="#">Compliant</a>                  |
| <b>Certificate of Conformance:</b><br><a href="#">View</a> |