

# LUCID Vision Labs Triton™ TRI050S1-QC, Sony IMX264MYR, 5.0 MP, Polarized Color Camera

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LUCID Vision Labs Triton™ Power over Ethernet (PoE) Cameras



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Video Output:  
GigE (PoE)

|                                                                                                                                                                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Type:</b><br>Polarized Color Camera                                                                                                                                                                                            |
| <b>Manufacturer:</b><br>Lucid Vision Labs                                                                                                                                                                                         |
| <b>Mounting Threads:</b><br>1/4-20 with Tripod Mount Adapter <a href="#">#11-474</a>                                                                                                                                              |
| <b>Image Buffer:</b><br>128MB                                                                                                                                                                                                     |
| <b>Camera Family:</b><br>Triton™                                                                                                                                                                                                  |
| <b>Model Number:</b><br>TRI050S1-QC                                                                                                                                                                                               |
| <b>Imaging Sensor:</b><br>Sony IMX264MYR                                                                                                                                                                                          |
| <b>Type of Sensor:</b><br>Progressive Scan CMOS                                                                                                                                                                                   |
| <b>Type of Shutter:</b><br>Global                                                                                                                                                                                                 |
| <b>Camera Sensor Format:</b><br>2/3"                                                                                                                                                                                              |
| <b>Resolution (MegaPixels):</b><br>5.00                                                                                                                                                                                           |
| <b>Pixels (H x V):</b><br>2,448 x 2,048                                                                                                                                                                                           |
| <b>Pixel Size, H x V (µm):</b><br>3.45 x 3.45                                                                                                                                                                                     |
| <b>Sensing Area, H x V (mm):</b><br>8.45 x 7.07                                                                                                                                                                                   |
| <b>Frame Rate (fps):</b><br>22.00                                                                                                                                                                                                 |
| <b>Pixel Depth:</b><br>12 bit                                                                                                                                                                                                     |
| <b>Exposure Time:</b><br>33.45µs - 10s                                                                                                                                                                                            |
| <b>Connector:</b><br>GigE, M12                                                                                                                                                                                                    |
| <b>Power Supply:</b><br>Power Supply Required and Sold Separately.<br>USA: <a href="#">#18-364</a><br>Europe: <a href="#">#18-364</a><br>Japan: <a href="#">#18-364</a><br>Korea: Not Available<br>China: <a href="#">#18-364</a> |
| <b>Power Consumption (W):</b><br>2.5 (External Power Supply)<br>3.1 (PoE)                                                                                                                                                         |
| <b>GPIOs:</b><br>1 opto-isolated input, 1 opto-isolated output, 2 non-isolated bi-directional ports                                                                                                                               |
| <b>Synchronization:</b><br>Hardware Trigger (GPIO), Software Trigger, or PTP (IEEE 1588)                                                                                                                                          |
| <b>Dimensions (mm):</b><br>29 x 29 x 45 (excludes connectors and lens mount)                                                                                                                                                      |
| <b>Weight (g):</b><br>67                                                                                                                                                                                                          |
| <b>Mount:</b><br>C-Mount                                                                                                                                                                                                          |
| <b>Housing:</b><br>Full                                                                                                                                                                                                           |
| <b>Interface Port Orientation:</b><br>Back Panel                                                                                                                                                                                  |
| <b>Operating Temperature (°C):</b><br>-20 to +55                                                                                                                                                                                  |
| <b>Storage Temperature (°C):</b><br>-30 to +60                                                                                                                                                                                    |
| <b>GPIO Connector Type:</b><br>8-pin M8                                                                                                                                                                                           |
| <b>Machine Vision Standard:</b><br>GigE Vision v2.0                                                                                                                                                                               |

## Regulatory Compliance

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

