

# LUCID Vision Labs Phoenix™ PHX016S-MC, Sony IMX273, 1.6 MP, Monochrome Camera

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**Video Output:**

GigE (PoE)

**Type:**

Monochrome Camera

|                                                                                                     |
|-----------------------------------------------------------------------------------------------------|
| <b>Manufacturer:</b><br>Lucid Vision Labs                                                           |
| <b>Mounting Threads:</b><br>¼-20 with Tripod Mount Adapter <a href="#">#11-474</a>                  |
| <b>Image Buffer:</b><br>128MB                                                                       |
| <b>Camera Family:</b><br>Phoenix™                                                                   |
| <b>Model Number:</b><br>PHX016S-MC                                                                  |
| <b>Imaging Sensor:</b><br>Sony IMX273                                                               |
| <b>Type of Sensor:</b><br>Progressive Scan CMOS                                                     |
| <b>Type of Shutter:</b><br>Global                                                                   |
| <b>Camera Sensor Format:</b><br>1/2.9"                                                              |
| <b>Resolution (MegaPixels):</b><br>1.60                                                             |
| <b>Pixels (H x V):</b><br>1,440 x 1,080                                                             |
| <b>Pixel Size, H x V (µm):</b><br>3.45 x 3.45                                                       |
| <b>Sensing Area, H x V (mm):</b><br>4.97 x 3.73                                                     |
| <b>Frame Rate (fps):</b><br>77.00                                                                   |
| <b>Pixel Depth:</b><br>12 bit                                                                       |
| <b>Exposure Time:</b><br>30µs - 10s                                                                 |
| <b>Connector:</b><br>GigE, RJ45                                                                     |
| <b>Power Supply:</b><br>Power over Ethernet (PoE) or via GPIO with 12-24VDC<br>Power Supply         |
| <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>24 x 24 x 27.35 (excludes connectors and lens mount)                     |
| <b>Weight (g):</b><br>30                                                                            |
| <b>Mount:</b><br>C-Mount                                                                            |
| <b>Housing:</b><br>Partial                                                                          |
| <b>Interface Port Orientation:</b><br>Back Panel                                                    |
| <b>Dynamic Range (dB):</b><br>71.42                                                                 |
| <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 JST                                                            |
| <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> |