

# LUCID Vision Labs Phoenix™ PHX023S-MS-IX, Sony IMX392, 2.3MP, Monochrome Camera

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



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Video Output:  
GigE (PoE)

**Type:**  
Monochrome Camera

**Manufacturer:**  
Lucid Vision Labs

**Mounting Threads:**  
1/4-20 with Tripod Mount Adapter [#11-474](#)

**Image Buffer:**  
128MB

**Camera Family:**  
Phoenix™

**Model Number:**  
PHX023S-MS-IX

**Imaging Sensor:**  
Sony IMX392

**Type of Sensor:**  
Progressive Scan CMOS

**Type of Shutter:**  
Global

**Camera Sensor Format:**  
1/2.3"

**Resolution (MegaPixels):**  
2.30

**Pixels (H x V):**  
1,920 x 1,200

**Pixel Size, H x V (µm):**  
3.45 x 3.45

**Sensing Area, H x V (mm):**  
6.62 x 4.14

**Frame Rate (fps):**  
52.00

**Pixel Depth:**  
12 bit

**Exposure Time:**  
30µs - 10s

**Connector:**  
GigE, ix Industrial®

**Power Supply:**  
Power over Ethernet (PoE) or via GPIO with 12-24VDC  
Power Supply

**Power Consumption (W):**  
2.5 (External Power Supply)  
3.1 (PoE)

**GPIOs:**  
1 opto-isolated input, 1 opto-isolated output, 2 non-isolated bi-directional ports

**Synchronization:**  
Hardware Trigger (GPIO), Software Trigger, or PTP (IEEE 1588)

**Dimensions (mm):**  
24 x 24 x 27.35 (excludes connectors and lens mount)

**Weight (g):**  
30

**Mount:**  
M12 x 0.5 (S-Mbunt)

**Housing:**  
Partial

**Interface Port Orientation:**  
Back Panel

**Dynamic Range (dB):**  
71.51

**Operating Temperature (°C):**  
-20 to +55

**Storage Temperature (°C):**  
-30 to +60

**GPIO Connector Type:**  
8-pin JST

**Machine Vision Standard:**  
GigE Vision v2.0

## Regulatory Compliance

**RoHS:**  
[Compliant](#)

**Certificate of Conformance:**  
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