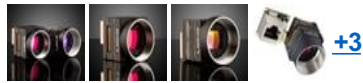


# LUCID Vision Labs Phoenix™ PHX050S-MNF, Sony IMX264, 5.0 MP, Monochrome Camera

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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:**  
PHX050S-MNF

**Imaging Sensor:**  
Sony IMX264

**Type of Sensor:**  
Progressive Scan CMOS

**Type of Shutter:**  
Global

**Camera Sensor Format:**  
2/3"

**Resolution (MegaPixels):**  
5.00

**Pixels (H x V):**  
2,448 x 2,048

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

**Sensing Area, H x V (mm):**  
8.45 x 7.07

**Frame Rate (fps):**  
24.00

**Pixel Depth:**  
12 bit

**Exposure Time:**  
30µs - 10s

**Connector:**  
GigE, RJ45

**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:**  
NF-Mount

**Housing:**  
Partial

**Interface Port Orientation:**  
Back Panel

**Dynamic Range (dB):**  
71.66

**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:**  
[View](#)

