

# Lucid Vision Labs Phoenix™ PHX124S-MC, Sony IMX565, 12.3 MP, Monochrome Camera

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



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1 MRP ₹92,394

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**Spectrum:**  
Monochrome

## General

**Type:**  
Monochrome Camera

**Model Number:**  
PHX124S-MC

Lucid Vision Labs  
Phoenix™

**Manufacturer:**  
**Camera Series:**

## Physical & Mechanical Properties

28 x 28 x 28.4 (excludes connectors and lens mount)  
39

**Dimensions (mm):**  
**Weight (g):**

Full

**Housing:**

## Sensor

128MB  
1/1.1"

**Image Buffer:**  
**Sensor Format:**

12.30  
9.00

**Resolution (Megapixels):**  
**Frame Rate (fps):**

4,096 x 3,000  
2.74 x 2.74

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

11.22 x 8.22  
Sony IMX565

**Sensing Area, H x V (mm):**  
**Imaging Sensor:**

Progressive Scan CMOS  
Global

**Type of Sensor:**  
**Shutter Type:**

12 bit  
35µs - 10s (Normal);  
2.296µs - 2.464µs (Short Mode)

**Pixel Depth:**  
**Exposure Time:**

0 - 48  
GigE Vision v2.0

**Dynamic Range (dB):**  
**Machine Vision Standard:**

## Electrical

3 (External Power Supply)  
3.5(PoE)

**Power Consumption (W):**

## Hardware & Interface Connectivity

GigE (PoE)  
GigE, RJ45

**Interface:**  
**Connector:**

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

**Power Supply:**

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

**GPIOs:**

Hardware Trigger (GPIO), Software Trigger, or PTP (IEEE 1588)

**Synchronization:**

Back Panel

**Interface Port Orientation:**

8-pin JST

**GPIO Connector Type:**

## Threading & Mounting

C-Mount  
¼-20 with Tripod Mount Adapter [#11-474](#)

**Mount:**  
**Mounting Threads:**

## Environmental & Durability Factors

-10 to +55 **Operating Temperature (°C):**

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

## Regulatory Compliance

[Exempt](#) **RoHS 2015:**

[View](#) **Certificate of Conformance:**

[Contains SVHC\(s\)](#) **Reach 247:**

Canada **Country of Origin:**

**Imported By:**  
Edmund Optics India Private Limited  
267, Greystone Building, Second Floor,  
6th Cross Rd, Binnamangala,  
Stage 1, Indiranagar, Bengaluru,  
Karnataka, India 560038  
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## Product Details

- Unfolding Board Stacks for Customization
- Power Over Ethernet (PoE) for Easy Integration
- Compact Size Starting at 24 x 24mm

LUCID Vision Labs Phoenix™ Power over Ethernet (PoE) Cameras are compact, high performance cameras with one of the smallest form factors in the PoE GigE market. Featuring unfolding board stacks, these cameras easily transform between a 90° and 180° angle shape to provide flexible system integration. Additional software versatility is provided by GigE Vision compliancy, allowing for compatibility with third-party GigE Vision software. LUCID Vision Labs Phoenix™ Power over Ethernet (PoE) Cameras offer powerful Image Signal Processing (ISP), ensuring optimal camera performance with options including Region of Interest (ROI), Color Correction Matrix (CCM), and Binning without any limitations on higher frame rates. These cameras are ideal for industrial applications requiring cameras with compact form factors.

**Note:** GigE cable required for operation, both RJ45 and ix™ versions are available. The ix™ is a miniaturized industrial connector that is not compatible with RJ45 cables. Optional tripod adapter ([#11-474](#)) available.