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# Lucid Vision Labs Phoenix™ PHX081S-CC-IX, Sony IMX566, 8.1 MP, Color Camera

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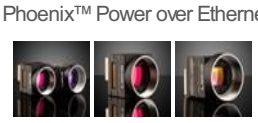
LUCID Vision Labs Phoenix™ Power over Ethernet (PoE) Cameras



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**Spectrum:**
Color

## General

**Type:**
Color Camera

**Model Number:**
PHX081S-CC-IX

**Manufacturer:**
Lucid Vision Labs

**Camera Series:**
Phoenix™

## Physical & Mechanical Properties

**Dimensions (mm):**
28 x 28 x 28.4 (excludes connectors and lens mount)

**Weight (g):**
39

**Housing:**
Full

## Sensor

**Image Buffer:**
128MB

**Sensor Format:**
2/3"

**Resolution (Megapixels):**
8.10

**Frame Rate (fps):**
13.80

**Pixels (H x V):**
2,840 x 2,840

**Pixel Size, H x V (µm):**
2.74 x 2.74

**Sensing Area, H x V (mm):**
7.78 x 7.78

**Imaging Sensor:**
Sony IMX566

**Type of Sensor:**
Progressive Scan CMOS

**Shutter Type:**
Global

**Pixel Depth:**
12 bit

**Exposure Time:**
25µs - 10s (Normal);
2.296µs - 2.464µs (Short Mode)

**Dynamic Range (dB):**
0 - 48

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

## Electrical

**Power Consumption (W):**
3 (External Power Supply)
3.5(PoE)

## Hardware & Interface Connectivity

**Interface:**
GigE (PoE)

**Connector:**
GigE, ix Industrial®

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

**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)

**Interface Port Orientation:**
Back Panel

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

## Threading & Mounting

**Mount:**
C-Mount

**Mounting Threads:**
¼-20 with Tripod Mount Adapter **#11-474**

## Environmental & Durability Factors

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

**Storage Temperature (°C):**

-30 to +60

## Regulatory Compliance

**RoHS 2015:**

Exempt

**Certificate of Conformance:**

View

**Reach 247:**

Contains SVHC(s)

**Country of Origin:**

Canada

**Imported By:**

Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
Phone: +91- 80-6845 0000

# 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 an miniaturized industrial connector that is not compatible with RJ45 cables. Optional tripod adapter (**#11-474**) available.

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