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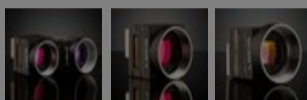
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# Lucid Vision Labs Phoenix™ Power over Ethernet (PoE) Camera, 8MP, Color Camera, 1/3" CMOS, Sony IMX566, 8.1

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



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EO Spec Sheet	

**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 Connections

**Interface:** GigE (PoE)

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**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\(s\)](#)

## Product Details

Sony IMX566

- 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.

## Accessories

**Note:** Compatible accessories for individual stock numbers may vary. If unsure about which accessories work with your products, please contact us [here](#).

	Title	Compare	Stock Number	Price	Buy
<a href="#">MORE+</a>	Broadcom Dual Port 10G Ethernet Card		<a href="#">#72-561</a>	€1.015,00 <a href="#">Request Quote</a>	1 <a href="#">In Stock</a>

	Title	Compare	Stock Number	Price	Buy
<a href="#">MORE+</a>	Dual Port 10G POE+ Ethernet Card		#72-562	€1.180,00	2 In Stock <input type="text" value="1"/>
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<a href="#">MORE+</a>	IOI 4-CH PCIE 2.5GIGA				4 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	LR-Link 2-CH PCIE Gigabit POE+ Card		#25-151	€735,00 <a href="#">Request Quote</a>	3 In Stock <input type="text" value="1"/>
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<a href="#">MORE+</a>	Phoenix Camera 24mm 90° Bracket Transform Kit		#25-154	€112,00 <a href="#">Request Quote</a>	1 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	Phoenix Camera 24mm 180° Bracket Transform Kit		#25-153	€112,00 <a href="#">Request Quote</a>	1 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	180° & 90° Transform Kit for 24x24mm Phoenix™ Cameras		#11-478	€221,00 <a href="#">Request Quote</a>	5 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	180° & 90° Transform Kit for 28x28mm Phoenix™ Cameras		#13-752	€295,00 <a href="#">Request Quote</a>	2 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	¼-20 Tripod Adapter for Phoenix™ and Triton™		#11-474	€38,00 <a href="#">Request Quote</a>	16 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	2m RJ45 Ethernet Cable		#11-475	€91,00 <a href="#">Request Quote</a>	2 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	5m RJ45 Ethernet Cable		#11-476	€147,00 <a href="#">Request Quote</a>	2 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	2m ix Industrial® Ethernet CAT6A Cable		#13-746	€91,00 <a href="#">Request Quote</a>	3 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	5m ix Industrial® Ethernet CAT6A Cable		#13-747	€130,00 <a href="#">Request Quote</a>	4 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	20cm GPIO 8 Pin JST Cable		#11-477	€38,00 <a href="#">Request Quote</a>	12 In Stock <input type="text" value="1"/>

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## Related Products



LUCID Vision Labs™ SENSaiZ Intelligent Vision CMOS Camera



LUCID Vision Labs Triton™ GigE Power over Ethernet (PoE) Cameras



LUCID Vision Labs Atlas10 10GigE Power over Ethernet (PoE) Cameras



Allied Vision Alvium G1 GigE PoE Cameras

## Imaging Lens Selector

- Factory Automation
- Telecentric

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- Custom Sensor
- Camera Model

Camera Model:



Number of Horizontal Pixels:

1 2840

Number of Vertical Pixels:

2 2840

Pixel Size (µm):

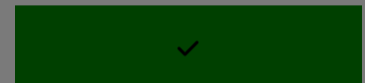
3 2.74

Working Distance (mm):

4

Horizontal Field of View (mm):

5



Disclaimer: Values represent theoretical values from lens design software. Actual lens performance varies due to manufacturing tolerances.

# Resources

## Media Type

- Application Note
- Video
- Published Article
- FAQ
- Glossary
- Technical Tool

**APPLICATION NOTE**

Sensor Performance and Limitations

**APPLICATION NOTE**

Imaging Electronics 101: Basics of Digital...

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Imaging Electronics 101: Camera Resolution fo...

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