

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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€980⁰⁰

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SPECIFICATIONS

General

Type:

Monochrome Camera	
PHX124S-MC	Model Number:
Lucid Vision Labs	
Manufacturer:	
Phoenix™	Camera Series:
Monochrome	
Spectrum:	
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: 1/1.1"	
Resolution (Megapixels): 12.30	
Frame Rate (fps): 9.00	
Pixels (H x V): 4,096 x 3,000	
Pixel Size, H x V (µm): 2.74 x 2.74	
Sensing Area, H x V (mm): 11.22 x 8.22	
Imaging Sensor: Sony IMX565	
Type of Sensor: Progressive Scan CMOS	
Shutter Type: Global	
Pixel Depth: 12 bit	
Exposure Time: 35µs - 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, RJ45	
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-Mbunt	

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

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:

PRODUCT DETAILS

- Unfolding Board Stacks for Customization
- Power Over Ethernet (PoE) for Easy Integration
- Compact Size Starting at 24 x24mm

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.