LUCID Vision Labs Phoenix™ PHX016S-CS-IX, Sony IMX273, 1.6 MP, Color Camera
#13-660

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

LUCID Vision Labs Phoenix™ Power over Ethernet (PoE) Cameras는 고성능 콤팩트 카메라로서 PoE GigE 시장에서 외형이 가장 작은 제품 중 하나입니다. 이 카메라는 unfolding board stack을 특징으로 하며 유연한 시스템 통합을 위해 90°와 180° 사이에서 손쉬운 각도 변형을 제공합니다. GigE Vision의 컴플라이언스를 통해 소프트웨어의 추가 기능이 제공되기 때문에 타사의 GigE Vision 소프트웨어와 호환이 가능합니다. LUCID Vision Labs Phoenix™ Power over Ethernet (PoE) Cameras는 강력한 Image Signal Processing (ISP)을 제공함에 따라 Region of Interest (ROI), Color Correction Matrix (CCM) 그리고 Binning(고속의 프레임 속도에 제한이 없음)과 같은 옵션과 함께 최적의 카메라의 성능을 보장합니다. 이 카메라는 소형의 콤팩트한 카메라가 요구되는 산업 응용 분야에 이상적으로 사용할 수 있습니다.

참고: 작동 시 GigE cable이 필요하며, RJ45와 ix™ 버전 둘 다 이용할 수 있습니다. ix™ 버전은 RJ45 cable과 호환이 불가능한 초소형 산업용 커넥터입니다. 옵션인 tripod adapter ([#11-474](#)) 또한 사용할 수 있습니다.

General

Type:	Color Camera
Manufacturer:	Lucid Vision Labs
Camera Family:	Phoenix™
Model Number:	PHX016S-CS-IX

Physical & Mechanical Properties

Dimensions (mm):	24 x 24 x 27.35 (excludes connectors and lens mount)
Weight (g):	30
Housing:	Partial

Sensor

Image Buffer:	128MB
Imaging Sensor:	Sony IMX273
Type of Sensor:	Progressive Scan CMOS
Type of Shutter:	Global
Camera Sensor Format:	1/2.9"
Resolution (MegaPixels):	1.60
Pixels (H x V):	1,440 x 1,080
Pixel Size, H x V (µm):	3.45 x 3.45
Sensing Area, H x V (mm):	4.97 x 3.73
Frame Rate (fps):	77.00
Pixel Depth:	12 bit
Exposure Time:	30µs - 10s
Dynamic Range (dB):	71.34
Machine Vision Standard:	GigE Vision v2.0

Electrical

Power Consumption (W):	2.5 (External Power Supply) 3.1 (PoE)

Hardware & Interface Connectivity

Video Output:	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

02.769.4600

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Mounting Threads:	¼-20 with Tripod Mount Adapter #11-474
Mount:	M12 x 0.5 (S-Mount)

Environmental & Durability Factors

Operating Temperature (°C):	-20 to +55
Storage Temperature (°C):	-30 to +60

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June 22, 2025

To Whom It May Concern,

This document certifies that the product stated below has been reviewed as requested by Edmund Optics:

재고 번호	제품설명
13-660	LUCID Vision Labs Phoenix™ PHX016S-CS-IX, Sony IMX273, 1.6 MP, Color Camera

This item is EU RoHS (2015/863/EU) exempt based on **Exemption 7a**: lead in high melting temperature type solders (i.e. lead- based alloys containing 85 % by weight or more lead), and **Exemption 7c-I**: electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound.

This certification means that:

- EO's suppliers have confirmed the material composition of this product.
- EO has implemented rigorous procedures to document this compliance.
- The information provided may, or may not, be based upon actual test data, or on information from our Vendors, Raw Material Suppliers or Subcontractors.

Jay Budd, Director of Corporate Compliance
June 22, 2025

Edmund Optics Inc. - 101 E Gloucester Pike, Barrington, NJ 08007 | 1-800-363-1992 | Compliance@edmundoptics.com

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Edmund Optics certifies that all articles included in this shipment are in compliance with the terms and conditions of this order. The company also certifies that the articles included in this shipment are in accordance to all agreed upon specifications and quality assurance provisions. Please call 1-800-363-1992 should any questions arise from this shipment.

Jeff Harvey- EVP of Operations

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This item contains substances listed on the REACH SVHC list as of 21 January 2025 in quantities exceeding 0.1% weight by weight, please contact compliance@edmundoptics.com if you require more information.

Please note the following:

- Entry 11 of Annex V of the REACH regulation EC 1907/2006 as amended by regulation 987/2008, exempts "non-hazardous" glass components from registration.
- Items considered to be packing materials and which do not form part of, or are not required for the operation of, the product, are not considered to be within scope of this declaration.
- EO does not routinely analyze products for substances not purposely added or specified within the design specifications, drawings and assembly procedures.

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