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LUCID Vision Labs Phoenix™ PHX050S-PNF, Sony IMX250MZR, 5.0 MP, Polarized Monochrome Camera

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



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Video Output:
GigE (PoE)

Type: Polarized Monochrome Camera
Manufacturer: Lucid Vision Labs
Mounting Threads: 1/4-20 with Tripod Mount Adapter #11-474
Image Buffer: 128MB
Camera Family: Phoenix™
Model Number: PHX050S-PNF
Imaging Sensor: Sony IMX250MZR
Type of Sensor: Progressive Scan CMOS
Type of Shutter: Global
Camera Sensor Format: 2/3"
Resolution (MegaPixels): 5.00
Pixels (H x V): 2,448 x 2,048
Pixel Size, H x V (µm): 3.45 x 3.45
Sensing Area, H x V (mm): 8.45 x 7.07
Frame Rate (fps): 24.00
Pixel Depth: 12 bit
Exposure Time: 30µs - 10s
Connector: GigE, RJ45
Power Supply: Power over Ethernet (PoE) or via GPIO with 12-24VDC Power Supply
Power Consumption (W): 2.5 (External Power Supply) 3.1 (PoE)
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)
Dimensions (mm): 24 x 24 x 27.35 (excludes connectors and lens mount)
Weight (g): 30
Mount: NF-Mount
Housing: Partial
Interface Port Orientation: Back Panel
Dynamic Range (dB): 71.66
Operating Temperature (°C): -20 to +55
Storage Temperature (°C): -30 to +60
GPIO Connector Type: 8-pin JST
Machine Vision Standard: GigE Vision v2.0

Regulatory Compliance

RoHS: Compliant
Certificate of Conformance: View

