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LUCID Vision Labs™ Atlas ATP028S-MC, Sony IMX421, 2.8MP, IP67 Monochrome Camera

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⊖ 1 ⊕ A\$2,112⁰⁰

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Monochrome

Spectrum:

General

Monochrome Camera

Type:

ATP028S-MC

Model Number:

Lucid Vision Labs

Manufacturer:

Atlas IP67

Camera Series:

Physical & Mechanical Properties

60 x 60 x 65	Dimensions (mm):
340	Weight (g):
Full	Housing:

Sensor

380MB	Image Buffer:
2/3"	Sensor Format:
2.80	Resolution (Megapixels):
173.00	Frame Rate (fps):
1,936 x 1,464	Pixels (H x V):
4.5 x 4.5	Pixel Size, H x V (µm):
8.71 x 6.59	Sensing Area, H x V (mm):
Sony IMX421	Imaging Sensor:
Progressive Scan CMOS	Type of Sensor:
Global	Shutter Type:
8/10/12 Bit	Pixel Depth:
10.3 µs to 10 s (Normal) / 1 µs to 5 µs (Short Mode)	Exposure Time:
Not Specified	Dynamic Range (dB):
GigE Vision v2.0	Machine Vision Standard:

Electrical

8W via PoE, 7W when powered externally	Power Consumption (W):
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Hardware & Interface Connectivity

5GigE (PoE)	Interface:
5GigE, M12	Connector:
PoE (IEEE 802.3af), or 12-24 VDC external	Power Supply:
1 opto-isolated input, 1 opto-isolated out, 2 non-isolated bi-directional ports	GPIOs:
Hardware Trigger (GPIO), Software Trigger, or PTP (IEEE 1588)	Synchronization:
Back Panel	Interface Port Orientation:
8 pin M8 connector	GPIO Connector Type:

Threading & Mounting

C-Mount	Mount:
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Environmental & Durability Factors

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

Regulatory Compliance

View	Certificate of Conformance:
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Product Details

- IP67 Rated for Protection from Water Ingress, Dust and Dirt
- 5Gbase-T (5GigE) Ethernet Interface
- Supports Power over Ethernet (PoE), Simplifying Integration

LUCID Vision Labs Atlas IP67 5GigE Cameras are water ingress protected, industrial cameras designed for imaging applications requiring high bandwidth and performance in rugged environments. These cameras support the 5Gbase-T (5GigE) Ethernet interface and are Power over Ethernet (PoE), capable of 600 MB/s data transfer rates which allow for high resolution and frame rates. LUCID Vision Labs Atlas IP67 5GigE Cameras feature a C-mount and Active Sensor alignment for superior optical performance. These cameras offer a perfect balance of fast frame rates, compact size, industrial ruggedization, and an excellent price-performance ratio.

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