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# LUCID Vision Labs™ Atlas ATP162S-MC, Sony IMX542, 16.2MP, IP67 Monochrome Camera

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Monochrome **Spectrum:**

**General**

Monochrome Camera **Type:**

ATP162S-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:  
1.1" Sensor Format:  
16.20 Resolution (Megapixels):  
34.40 Frame Rate (fps):  
5,320 x 3,032 Pixels (H x V):  
2.74 x 2.74 Pixel Size, H x V (µm):  
14.58 x 8.31 Sensing Area, H x V (mm):  
Sony IMX542 Imaging Sensor:  
Progressive Scan CMOS Type of Sensor:  
Global Shutter Type:  
8/10/12 Bit Pixel Depth:  
12.12 µs to 10 s (Normal) / 2.29 µs to 2.46 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):

## 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:

## Environmental & Durability Factors

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

## Regulatory Compliance

Certificate of Conformance:

## 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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