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# LUCID Vision Labs™ Atlas ATP245S-MC, Sony IMX540, 24.5MP, IP67 Monochrome Camera

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Monochrome **Spectrum:**

**General**

Monochrome Camera **Type:**

ATP245S-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:

4/3"  
Sensor Format:

24.50  
Resolution (Megapixels):

22.70  
Frame Rate (fps):

5,320 x 4,600  
Pixels (H x V):

2.74 x 2.74  
Pixel Size, H x V ( $\mu\text{m}$ ):

14.58 x 12.60  
Sensing Area, H x V (mm):

Sony IMX540  
Imaging Sensor:

Progressive Scan CMOS  
Type of Sensor:

Global  
Shutter Type:

8/10/12 Bit  
Pixel Depth:

12.12  $\mu\text{s}$  to 10 s (Normal) / 2.296  $\mu\text{s}$  to 2.464  $\mu\text{s}$   
(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:

11 pin M8 connector  
GPIO Connector Type:

## Threading & Mounting

C-Mount  
Mount:

## Environmental & Durability Factors

-20 to 55  
Operating Temperature ( $^{\circ}\text{C}$ ):

-30 to 60  
Storage Temperature ( $^{\circ}\text{C}$ ):

## 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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