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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 (µm):

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 µs to 10 s (Normal) / 2.296 µs to 2.464 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:

11 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:

[View](#)

Country of Origin:

Canada

Imported By:

Edmund Optics India Private Limited

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.
