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# LUCID Vision Labs™ Atlas ATP245S-CC, Sony IMX540, 24.5MP, IP67 Color Camera

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## Product Downloads

Color **Spectrum:**

## General

Color Camera **Type:**

ATP245S-CC **Model Number:**

**Manufacturer:**

## Camera Series:

Atlas IP67

## Physical &amp; Mechanical Properties

## Dimensions (mm):

60 x 60 x 65

## Weight (g):

340

## Housing:

Full

## Sensor

## Image Buffer:

380MB

## Sensor Format:

4/3"

## Resolution (Megapixels):

24.50

## Frame Rate (fps):

22.70

## Pixels (H x V):

5,320 x 4,600

## Pixel Size, H x V (µm):

2.74 x 2.74

## Sensing Area, H x V (mm):

14.58 x 12.60

## Imaging Sensor:

Sony IMX540

## Type of Sensor:

Progressive Scan CMOS

## Shutter Type:

Global

## Pixel Depth:

8/10/12 Bit

## Exposure Time:

12.12 µs to 10 s (Normal) / 2.296 µs to 2.464 µs (Short Mode)

## Dynamic Range (dB):

Not Specified

## Machine Vision Standard:

GigE Vision v2.0

## Electrical

## Power Consumption (W):

8W via PoE, 7W when powered externally

## Hardware &amp; Interface Connectivity

## Interface:

5GigE (PoE)

## Connector:

5GigE, M12

## Power Supply:

PoE (IEEE 802.3af), or 12-24 VDC external

## GPIOs:

1 opto-isolated input, 1 opto-isolated out, 2 non-isolated bi-directional ports

## Synchronization:

Hardware Trigger (GPIO), Software Trigger, or PTP (IEEE 1588)

## Interface Port Orientation:

Back Panel

## GPIO Connector Type:

12 pin M8 connector

## Threading &amp; Mounting

## Mount:

C-Mount

## Environmental &amp; Durability Factors

## Operating Temperature (°C):

-20 to 55

## Storage Temperature (°C):

-30 to 60

## Regulatory Compliance

## 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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