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LUCID Vision Labs™ Atlas ATP081S-CC, Sony IMX546, 8.1MP, IP67 Color Camera

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Color **Spectrum:**

General

Color Camera **Type:**

ATP081S-CC **Model Number:**

Manufacturer:

Camera Series:

Atlas IP67

Physical & Mechanical Properties

Dimensions (mm):

60 x 60 x 65

Weight (g):

340

Housing:

Full

Sensor

Image Buffer:

380MB

Sensor Format:

2/3"

Resolution (Megapixels):

8.10

Frame Rate (fps):

68.80

Pixels (H x V):

2,840 x 2,840

Pixel Size, H x V (µm):

2.74 x 2.74

Sensing Area, H x V (mm):

7.78 x 7.78

Imaging Sensor:

Sony IMX546

Type of Sensor:

Progressive Scan CMOS

Shutter Type:

Global

Pixel Depth:

8/10/12/16 Bit

Exposure Time:

8 µs to 10 s (Normal) / 2.31 µs to 2.47 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 & 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:

8 pin M8 connector

Threading & Mounting

Mount:

C-Mount

Environmental & 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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