

LUCID Vision Labs™ Atlas ATP204S-MC, Sony IMX541, 20.4MP, IP67 Monochrome Camera

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SPECIFICATIONS

General

Type:

Monochrome Camera

Model Number:

ATP204S-MC

Lucid Vision Labs	Manufacturer:
Atlas IP67	Camera Series:
Monochrome	Spectrum:
Physical & Mechanical Properties	
60 x60 x65	Dimensions (mm):
340	Weight (g):
Full	Housing:
Sensor	
380MB	Image Buffer:
1.1"	Sensor Format:
20.40	Resolution (Megapixels):
27.40	Frame Rate (fps):
4,504 x4,504	Pixels (H x V):
2.74 x2.74	Pixel Size, H x V (µm):
12.34 x12.34	Sensing Area, H x V (mm):
Sony IMX541	Imaging Sensor:
Progressive Scan CMOS	Type of Sensor:
Global	Shutter Type:
8/10/12 Bit	Pixel Depth:
10.74 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:
9 pin M8 connector	GPIO Connector Type:
Threading & Mounting	
C-Mount	Mount:
Environmental & Durability Factors	
-20 to 55	Operating Temperature (°C):
	Storage Temperature (°C):

Regulatory Compliance

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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.