

LUCID Vision Labs Atlas10 ATX051S-MC, Sony IMX537, 5.0MP, Monochrome Camera

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LUCID Vision Labs Atlas10 10GigE Power over Ethernet (PoE) Cameras (Front, C-Mount)



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+

€1.905⁰⁰

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SPECIFICATIONS

General

Monochrome Camera

Type:

Lucid Vision Labs	Manufacturer:
Atlas10	Camera Family:
ATX051S-MC	Model Number:
Physical & Mechanical Properties	
55 x 55 x 95.5 (excludes connectors and lens mount)	Dimensions (mm):
304	Weight (g):
Full	Housing:
Sensor	
380MB	Image Buffer:
Sony IMX537	Imaging Sensor:
Progressive Scan CMOS	Type of Sensor:
Global	Type of Shutter:
1/1.8"	Camera Sensor Format:
5.00	Resolution (MegaPixels):
2,448 x 2,048	Pixels (H x V):
2.74 x 2.74	Pixel Size, H x V (µm):
6.71 x 5.61	Sensing Area, H x V (mm):
205.00	Frame Rate (fps):
8/10/12 bit	Pixel Depth:
5.02µs - 10s	Exposure Time:
GigE Vision v2.0	Machine Vision Standard:
Electrical	
11.5 (External Power Supply) <12 (PoE+)	Power Consumption (W):
Hardware & Interface Connectivity	
10GigE (PoE+)	Video Output:
10GigE, M12	Connector:
Power Supply Required and Sold Separately. USA: #18-364 Europe: #18-364 Japan: #18-364 Korea: Not Available China: #18-364	Power Supply:
1 opto-isolated input, 1 opto-isolated output, 2 non-isolated bi-directional ports	GPIOs:
Hardware Trigger (GPIO), Software Trigger, or PTP (IEEE 1588)	Synchronization:
Back Panel	Interface Port Orientation:
8-pin M8	GPIO Connector Type:
Threading & Mounting	
2 x ¼-20 with Tripod Mount Adapter #17-120	Mounting Threads:
C-Mbunt	Mount:

Environmental & Durability Factors

-20 to +55	Operating Temperature (°C):
-30 to +60	Storage Temperature (°C):

Regulatory Compliance

Compliant	RoHS:
View	Certificate of Conformance:

PRODUCT DETAILS

- 10GBASE-T (10GigE) Ethernet Interface with PoE+
- 5.0 to 65 Megapixel Sony 4th Gen Pregius S Sensors
- Compact 55 x 55mm Form Factor
- TFL-Mount Compatible with some [TECHSPEC® CA Series FFL Lenses](#)

LUCID Vision Labs Atlas10 10GigE Power over Ethernet (PoE) Cameras combine 4th generation Sony Pregius S sensors with 10GigE interface, delivering fast frame rates at high resolution and image quality in a compact and rugged housing. The 10GBASE-T Power over Ethernet PoE+ interface allows for data transfer speeds of up to 1.2 GB/s and can also provide power to the camera over one CAT6a cable up to 25m in length. The high bandwidth enables these cameras to run at high bit depths (10/12-bit) to maximize image quality while maintaining smooth frame rates. The back-illuminated CMOS sensors offer high sensitivity, high dynamic range, and low noise, and are actively aligned to the lens mount at the same optical axis to minimize performance discrepancies resulting from sensor tilt and rotation. LUCID Vision Labs Atlas10 10GigE Power over Ethernet (PoE) Cameras are GigE Vision compliant and feature rugged M12 Ethernet and M8 GPIO connectors, making them ideal choices for industrial, automotive, factory automation, process control, and other machine vision applications requiring high resolutions and bandwidth.