

Lucid Vision Labs Atlas10 ATX314S-MNL, Sony IMX342, 31.4MP, Monochrome Camera



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General	
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ATX314S-MNL **Model Number:**

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ATX314S-MNL

Lucid Vision Labs	Manufacturer:
Atlas 10	Camera Series:
Physical & Mechanical Properties	
55 x 55 x 95.5 (excludes connectors and lens mount)	Dimensions (mm):
240	Weight (g):
Full	Housing:
Sensor	
380MB	Image Buffer:
APS-C	Sensor Format:
31.40	Resolution (Megapixels):
35.10	Frame Rate (fps):
6,464 x 4,852	Pixels (H x V):
3.45 x 3.45	Pixel Size, H x V (µm):
22.30 x 16.74	Sensing Area, H x V (mm):
Sony IMX342	Imaging Sensor:
Progressive Scan CMOS	Type of Sensor:
Global	Shutter Type:
8/10/12 Bit	Pixel Depth:
37.896 µs - 10 s (Normal); 2.328µs - 2.464µs (Short Mode)	Exposure Time:
70.9	Dynamic Range (dB):
GigE Vision v2.0	Machine Vision Standard:
Electrical	
11.5 (External Power Supply) <12 (PoE+)	Power Consumption (W):
Hardware & Interface Connectivity	
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	
No Lens Mount	Mount:
2 x 1/4-20 with Tripod Mount Adapter #17-120	Mounting Threads:
Environmental & Durability Factors	
-20 to +55	Operating Temperature (°C):

-30 to +60	Storage Temperature (°C):
Regulatory Compliance	
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.