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

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



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A\$10,304^{.00}

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Monochrome		Spectrum:
General		
Monochrome Camera		Type:
ATX314S-MNL		Model Number:
		Manufacturer:

Lucid Vision Labs	
Atlas 10	Camera Series:
Physical & Mechanical Properties	
Dimensions (mm): 55 x 55 x 95.5 (excludes connectors and lens mount)	
Weight (g): 240	
Housing: Full	
Sensor	
Image Buffer: 380MB	
Sensor Format: APS-C	
Resolution (Megapixels): 31.40	
Frame Rate (fps): 35.10	
Pixels (H x V): 6,464 x 4,852	
Pixel Size, H x V (µm): 3.45 x 3.45	
Sensing Area, H x V (mm): 22.30 x 16.74	
Imaging Sensor: Sony IMX342	
Type of Sensor: Progressive Scan CMOS	
Shutter Type: Global	
Pixel Depth: 8/10/12 Bit	
Exposure Time: 37.896 µs - 10 s (Normal); 2.328µs - 2.464µs (Short Mode)	
Dynamic Range (dB): 70.9	
Machine Vision Standard: GigE Vision v2.0	
Electrical	
Power Consumption (W): 11.5 (External Power Supply) <12 (PoE+)	
Hardware & Interface Connectivity	
Connector: 10GigE, M12	
Power Supply: Power Supply Required and Sold Separately: USA: #18-364 Europe: #18-364 Japan: #18-364 Korea: Not Available China: #18-364	
GPIOs: 1 opto-isolated input, 1 opto-isolated output, 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 MB	
Threading & Mounting	
Mount: No Lens Mount	
Mounting Threads: 2 x ¼-20 with Tripod Mount Adapter #17-120	
Environmental & Durability Factors	
Operating Temperature (°C): -20 to +55	
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.