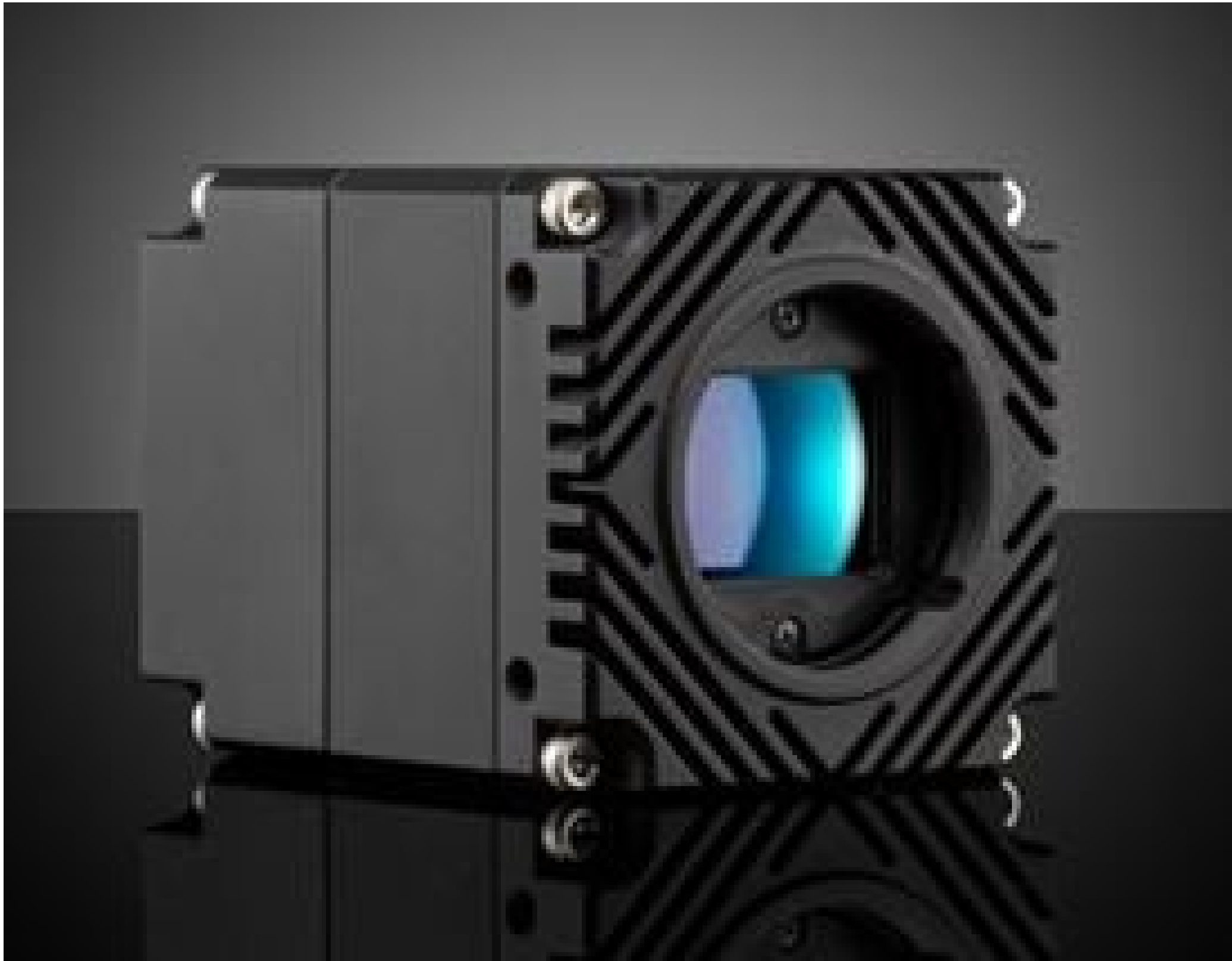


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LUCID Vision Labs Atlas™ ATL071S-CC, Sony IMX420, 7.1MP, Color Camera

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LUCID Vision Labs Atlas™ Power over Ethernet (PoE) 5GBASE-T (5GigE) Cameras

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Color	Spectrum:
General	
Color Camera	Type:
ATL071S-CC	Model Number:
Lucid Vision Labs	Manufacturer:
	Camera Series:

Atlas™	
Physical & Mechanical Properties	
Dimensions (mm): 55 x 55 x 70 (excludes connectors and lens mount)	
Weight (g): 240	
Housing: Full	
Sensor	
Image Buffer: 380MB	
Sensor Format: 1.1"	
Resolution (Megapixels): 7.10	
Frame Rate (fps): 74.60	
Pixels (H x V): 3,208 x 2,200	
Pixel Size, H x V (µm): 4.5 x 4.5	
Sensing Area, H x V (mm): 14.44 x 9.90	
Imaging Sensor: Sony IMX420	
Type of Sensor: Progressive Scan CMOS	
Shutter Type: Global	
Pixel Depth: 8/10/12 Bit	
Exposure Time: 13.7µs - 10s	
Dynamic Range (dB): 71.92	
Machine Vision Standard: GigE Vision v2.0	
Electrical	
Power Consumption (W): 7 (External Power Supply) 8 (PoE)	
Hardware & Interface Connectivity	
Interface: 5GigE (PoE)	
Connector: 5GigE, 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 M8	
Threading & Mounting	
Mount: C-Mount	
Mounting Threads: ¼-20 with Tripod Mount Adapter #13-751	
Environmental & Durability Factors	
Operating Temperature (°C): -20 to +55	
Storage Temperature (°C): -30 to +60	

Regulatory Compliance	
View	Certificate of Conformance:
Canada	Country of Origin:
Edmund Optics India Private Limited	Imported By:

Product Details

- 5GBASE-T (5GigE) Ethernet Interface
- 2.8 to 31.4 Megapixel Sensors
- Compact 55 x 55 x 70mm Design
- TFL-Mount Compatible with [TECHSPEC® CA Series FFL Lenses](#)

LUCID Vision Labs Atlas™ Power over Ethernet (PoE) 5GBASE-T (5GigE) Cameras have a small footprint and feature large format, high resolution sensors with up to 31.4MP at 17.9fps. During manufacturing, their imaging sensors are actively aligned to minimize sensor tilt and rotation, resulting in sharp and crisp images even in the corners. The 5GigE Ethernet interface provides up to 5X faster speeds than GigE for applications requiring high bandwidth. These cameras also feature a TFL-Mount that is easily adaptable to F-Mount. LUCID Vision Labs Atlas Power over Ethernet (PoE) 5GBASE-T (5GigE) Cameras are ideal for industrial applications including [factory automation](#), autonomous robotics, and biometrics.