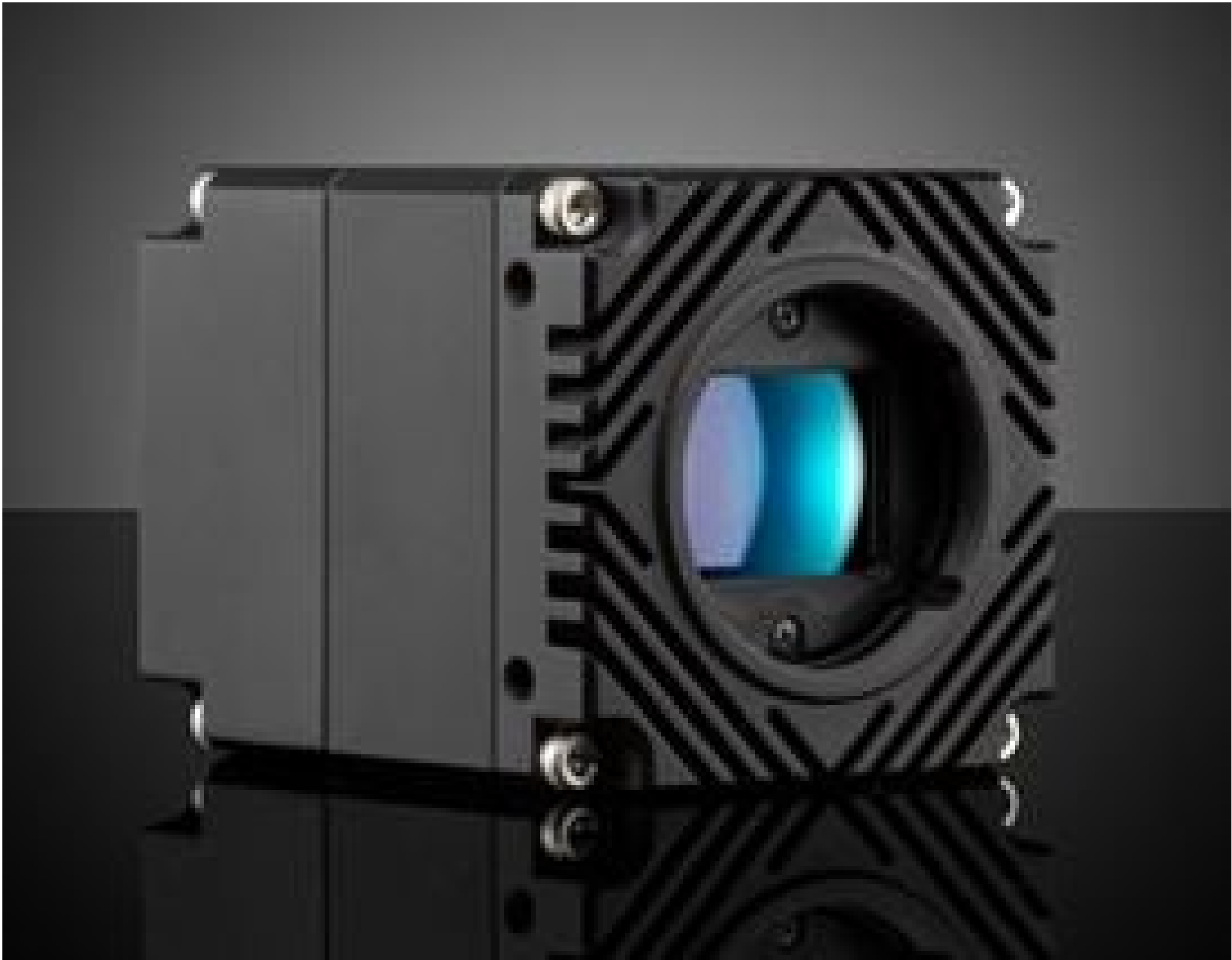


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# LUCID Vision Labs Atlas™ ATL314S-MT, Sony IMX342, 31.4MP, Monochrome Camera

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

Stock **#13-727** 1 In Stock

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| Monochrome        | Spectrum:      |
| General           |                |
| Monochrome Camera | Type:          |
| ATL314S-MT        | Model Number:  |
| Lucid Vision Labs | Manufacturer:  |
|                   | Camera Series: |

| Atlas™                                                                                                                                                                                                    |                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| Physical & Mechanical Properties                                                                                                                                                                          |                             |
| 55 x 55 x 70 (excludes connectors and lens mount)                                                                                                                                                         | Dimensions (mm):            |
|                                                                                                                                                                                                           | Weight (g):                 |
| 240                                                                                                                                                                                                       |                             |
| Full                                                                                                                                                                                                      | Housing:                    |
|                                                                                                                                                                                                           |                             |
| Sensor                                                                                                                                                                                                    |                             |
| 380MB                                                                                                                                                                                                     | Image Buffer:               |
|                                                                                                                                                                                                           |                             |
| APS-C                                                                                                                                                                                                     | Sensor Format:              |
|                                                                                                                                                                                                           |                             |
| 31.40                                                                                                                                                                                                     | Resolution (Megapixels):    |
|                                                                                                                                                                                                           |                             |
| 17.90                                                                                                                                                                                                     | Frame Rate (fps):           |
|                                                                                                                                                                                                           |                             |
| 6,464 x 4,852                                                                                                                                                                                             | Pixels (H x V):             |
|                                                                                                                                                                                                           |                             |
| 3.45 x 3.45                                                                                                                                                                                               | Pixel Size, H x V (µm):     |
|                                                                                                                                                                                                           |                             |
| 22.3 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:                |
|                                                                                                                                                                                                           |                             |
| 30µs - 10s                                                                                                                                                                                                | Exposure Time:              |
|                                                                                                                                                                                                           |                             |
| 70.8                                                                                                                                                                                                      | Dynamic Range (dB):         |
|                                                                                                                                                                                                           |                             |
| GigE Vision v2.0                                                                                                                                                                                          | Machine Vision Standard:    |
|                                                                                                                                                                                                           |                             |
| Electrical                                                                                                                                                                                                |                             |
| 8 (External Power Supply)<br>8.5 (PoE)                                                                                                                                                                    | Power Consumption (W):      |
|                                                                                                                                                                                                           |                             |
| Hardware & Interface Connectivity                                                                                                                                                                         |                             |
| 5GigE (PoE)                                                                                                                                                                                               | Interface:                  |
|                                                                                                                                                                                                           |                             |
| 5GigE, M12                                                                                                                                                                                                | Connector:                  |
|                                                                                                                                                                                                           |                             |
| Power Supply Required and Sold Separately.<br>USA: <a href="#">#18-364</a><br>Europe: <a href="#">#18-364</a><br>Japan: <a href="#">#18-364</a><br>Korea: Not Available<br>China: <a href="#">#18-364</a> | 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 MB                                                                                                                                                                                                  | GPIO Connector Type:        |
|                                                                                                                                                                                                           |                             |
| Threading & Mounting                                                                                                                                                                                      |                             |
| TFL-Mount                                                                                                                                                                                                 | Mount:                      |
|                                                                                                                                                                                                           |                             |
| 1/4-20 with Tripod Mount Adapter                                                                                                                                                                          | Mounting Threads:           |
|                                                                                                                                                                                                           | <a href="#">#13-751</a>     |
| Environmental & Durability Factors                                                                                                                                                                        |                             |
| -20 to +55                                                                                                                                                                                                | Operating Temperature (°C): |
|                                                                                                                                                                                                           |                             |
|                                                                                                                                                                                                           | Storage Temperature (°C):   |
|                                                                                                                                                                                                           |                             |

Regulatory Compliance

[View](#)

Certificate of Conformance:

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.