

# LUCID Vision Labs Atlas10 ATX124S-CC, Sony IMX535, 12.3MP, Color Camera

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



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**Video Output:**  
10GigE (PoE+)

**Type:**  
Color Camera

**Manufacturer:**  
Lucid Vision Labs

**Mounting Threads:**

2 x ¼-20 with Tripod Mount Adapter [#17-120](#)

|                                                                                                                                                                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Image Buffer:</b><br>380MB                                                                                                                                                                                                     |
| <b>Camera Family:</b><br>Atlas10                                                                                                                                                                                                  |
| <b>Model Number:</b><br>ATX124S-CC                                                                                                                                                                                                |
| <b>Imaging Sensor:</b><br>Sony IMX535                                                                                                                                                                                             |
| <b>Type of Sensor:</b><br>Progressive Scan CMOS                                                                                                                                                                                   |
| <b>Type of Shutter:</b><br>Global                                                                                                                                                                                                 |
| <b>Camera Sensor Format:</b><br>1/1.1"                                                                                                                                                                                            |
| <b>Resolution (MegaPixels):</b><br>12.30                                                                                                                                                                                          |
| <b>Pixels (H x V):</b><br>4,096 x 3,000                                                                                                                                                                                           |
| <b>Pixel Size, H x V (µm):</b><br>2.74 x 2.74                                                                                                                                                                                     |
| <b>Sensing Area, H x V (mm):</b><br>11.22 x 8.22                                                                                                                                                                                  |
| <b>Frame Rate (fps):</b><br>89.70                                                                                                                                                                                                 |
| <b>Pixel Depth:</b><br>8/10/12 bit                                                                                                                                                                                                |
| <b>Exposure Time:</b><br>5.93µs - 10s                                                                                                                                                                                             |
| <b>Connector:</b><br>10GigE, M12                                                                                                                                                                                                  |
| <b>Power Supply:</b><br>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> |
| <b>Power Consumption (W):</b><br>11.5 (External Power Supply) <12 (PoE+)                                                                                                                                                          |
| <b>GPIOs:</b><br>1 opto-isolated input, 1 opto-isolated output, 2 non-isolated bi-directional ports                                                                                                                               |
| <b>Synchronization:</b><br>Hardware Trigger (GPIO), Software Trigger, or PTP (IEEE 1588)                                                                                                                                          |
| <b>Dimensions (mm):</b><br>55 x 55 x 95.5 (excludes connectors and lens mount)                                                                                                                                                    |
| <b>Weight (g):</b><br>304                                                                                                                                                                                                         |
| <b>Mount:</b><br>C-Mount                                                                                                                                                                                                          |
| <b>Housing:</b><br>Full                                                                                                                                                                                                           |
| <b>Interface Port Orientation:</b><br>Back Panel                                                                                                                                                                                  |
| <b>Operating Temperature (°C):</b><br>-20 to +55                                                                                                                                                                                  |
| <b>Storage Temperature (°C):</b><br>-30 to +60                                                                                                                                                                                    |
| <b>GPIO Connector Type:</b><br>8-pin M8                                                                                                                                                                                           |
| <b>Machine Vision Standard:</b><br>GigE Vision v2.0                                                                                                                                                                               |

Regulatory Compliance

|                                                            |
|------------------------------------------------------------|
| <b>RoHS:</b><br><a href="#">Compliant</a>                  |
| <b>Certificate of Conformance:</b><br><a href="#">View</a> |