

# Allied Vision Alvium G1-507m, 2/3" 5.1MP C-Mount, GigE PoE Monochrome Camera

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**Video Output:**  
GigE (PoE)

**Type:**  
Monochrome Camera

**Manufacturer:**

|                                                                                               |
|-----------------------------------------------------------------------------------------------|
| Allied Vision                                                                                 |
| <b>Mounting Threads:</b><br>¼"-20 and M6 with Tripod Mount Adapter <a href="#">#14-156</a>    |
| <b>Image Buffer:</b><br>32MB                                                                  |
| <b>Camera Family:</b><br>Alvium G1                                                            |
| <b>Model Number:</b><br>Alvium G1-507m                                                        |
| <b>Imaging Sensor:</b><br>Sony IMX264                                                         |
| <b>Type of Sensor:</b><br>Progressive Scan CMOS                                               |
| <b>Type of Shutter:</b><br>Global                                                             |
| <b>Camera Sensor Format:</b><br>2/3"                                                          |
| <b>Resolution (MegaPixels):</b><br>5.10                                                       |
| <b>Pixels (H x V):</b><br>2,464 x 2,056                                                       |
| <b>Pixel Size, H x V (µm):</b><br>3.45 x 3.45                                                 |
| <b>Sensing Area, H x V (mm):</b><br>8.5 x 7.1                                                 |
| <b>Frame Rate (fps):</b><br>23.00                                                             |
| <b>Pixel Depth:</b><br>12 Bit                                                                 |
| <b>Exposure Time:</b><br>55µs - 10s                                                           |
| <b>Connector:</b><br>GigE, RJ45 with Screw Locks                                              |
| <b>Power Supply:</b><br>PoE, 12 to 24 VDC via GPIO, or with external power supply #23-581     |
| <b>Power Consumption (W):</b><br>External power: 3.1 W at 12 VDC   Power over Ethernet: 3.4 W |
| <b>GPIOs:</b><br>1 opto-isolated input, 1 opto-isolated output, 2 non-isolated GPIOs          |
| <b>Synchronization:</b><br>Hardware Trigger (GPIO) or Software Trigger                        |
| <b>Dimensions (mm):</b><br>41 x 29 x 29                                                       |
| <b>Weight (g):</b><br>65                                                                      |
| <b>Mount:</b><br>C-Mount                                                                      |
| <b>Housing:</b><br>Full                                                                       |
| <b>Interface Port Orientation:</b><br>Back Panel                                              |
| <b>Dynamic Range (dB):</b><br>Not Specified                                                   |
| <b>Operating Temperature (°C):</b><br>-20 to +50                                              |
| <b>Storage Temperature (°C):</b><br>-20 to +85                                                |
| <b>GPIO Connector Type:</b><br>10-pin TFM                                                     |
| <b>Machine Vision Standard:</b><br>GigE Vision V1.2, GenICam V2.0                             |

Regulatory Compliance

|                                                            |
|------------------------------------------------------------|
| <b>RoHS 2015:</b><br><a href="#">Compliant</a>             |
| <b>Certificate of Conformance:</b><br><a href="#">View</a> |
| <b>Reach 235:</b><br><a href="#">Compliant</a>             |

