

[All Products](#) / [Cameras](#) / [USB Cameras](#) / [Allied Vision Alvium Right Angle USB 3.1 Cameras](#)

[See all 127 Products in Family](#)

# Allied Vision Alvium 1800 U-1242c, 1/1.1" 12.4MP C-Mount, Right Angle USB 3.1 Color Camera (Partial Housing)

See More by [Allied Vision](#)



Stock **#19-598** [CONTACT US](#)

[Similar Cameras](#)

- 1 +

C\$2,205.00

ADD TO CART

|             |
|-------------|
| Qty 1+      |
| C\$2,205.00 |

|                               |
|-------------------------------|
| Volume Pricing                |
| <a href="#">Request Quote</a> |

**Note:** This item requires accessories for use | [Learn More](#)

Get Product Downloads

Video Output:  
USB 3.1 Gen 1

Type:

|                                                                                             |
|---------------------------------------------------------------------------------------------|
| Color Camera                                                                                |
| <b>Manufacturer:</b><br>Allied Vision                                                       |
| <b>Mounting Threads:</b><br>1/4-20 and M6 with Tripod Mount Adapter <a href="#">#14-156</a> |
| <b>Image Buffer:</b><br>256KB                                                               |
| <b>Camera Family:</b><br>Alvium Right Angle                                                 |
| <b>Model Number:</b><br>1800 U-1242c                                                        |
| <b>Imaging Sensor:</b><br>Sony IMX545                                                       |
| <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>12.40                                                    |
| <b>Pixels (H x V):</b><br>4,128 x 3,008                                                     |
| <b>Pixel Size, H x V (µm):</b><br>2.74 x 2.74                                               |
| <b>Sensing Area, H x V (mm):</b><br>11.3 x 8.2                                              |
| <b>Frame Rate (fps):</b><br>28.00                                                           |
| <b>Pixel Depth:</b><br>8/10/12 bit                                                          |
| <b>Exposure Time:</b><br>160µs - 10s @ 450 MBps<br>168µs - 10s @ 200 MBps                   |
| <b>Connector:</b><br>USB 3.1 Gen 1, Micro-B                                                 |
| <b>Power Supply:</b><br>Power over USB or via GPIO                                          |
| <b>Power Consumption (W):</b><br>3.4                                                        |
| <b>GPIOs:</b><br>4 Programmable TTL GPIOs                                                   |
| <b>Synchronization:</b><br>Hardware Trigger (GPIO) or Software Trigger                      |
| <b>Dimensions (mm):</b><br>30 x 32 x 29 (includes connectors and lens mount)                |
| <b>Weight (g):</b><br>50                                                                    |
| <b>Mount:</b><br>C-Mount                                                                    |
| <b>Housing:</b><br>Partial                                                                  |
| <b>Interface Port Orientation:</b><br>Back Panel (Right Angle)                              |
| <b>Dynamic Range (dB):</b><br>Not Specified                                                 |
| <b>Operating Temperature (°C):</b><br>+5 to +65                                             |
| <b>Storage Temperature (°C):</b><br>-10 to +70                                              |
| <b>GPIO Connector Type:</b><br>7-pin JST                                                    |
| <b>Machine Vision Standard:</b><br>USB3 Vision v1.0, GenICam                                |

## 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>             |

