

[See all 127 Products in Family](#)

Allied Vision Alvium 1800 U-120c, 1/3" 1.2MP S-Mount, Right Angle USB 3.1 Color Camera

See More by [Allied Vision](#)



Allied Vision Alvium Camera, Full Housing, S-Mount, Right Angle IO Port (Front)



Stock **#14-864** **1 In Stock**

[Similar Cameras](#)

⊖ 1 ⊕ C\$596⁰⁰

ADD TO CART

Volume Pricing

Qty 1+	C\$596.40 each
Need More?	Request Quote

Product Downloads

Color **Spectrum:**

General

Color Camera **Type:**

1800 U-120c **Model Number:**

Allied Vision
Alvium Right Angle

Manufacturer:
Camera Series:

Physical & Mechanical Properties

33 x 32 x 29 (includes connectors and lens mount)

Dimensions (mm):

65

Weight (g):

Full

Housing:

Sensor

256KB

Image Buffer:

1/3"

Sensor Format:

1.20

Resolution (Megapixels):

52.00

Frame Rate (fps):

1,280 x 960

Pixels (H x V):

3.75 x 3.75

Pixel Size, H x V (µm):

4.8 x 3.6

Sensing Area, H x V (mm):

ON Semi AR0135CS

Imaging Sensor:

Progressive Scan CMOS

Type of Sensor:

Global

Shutter Type:

8/10/12 Bit

Pixel Depth:

57µs - 10s

Exposure Time:

Not Specified

Dynamic Range (dB):

USB3 Vision v1.0, GenICam

Machine Vision Standard:

Electrical

1.3

Power Consumption (W):

Hardware & Interface Connectivity

USB 3.1 Gen 1

Interface:

USB 3.1 Gen 1, Micro-B

Connector:

Power over USB or via GPIO

Power Supply:

4 Programmable TTL GPIOs

GPIOs:

Hardware Trigger (GPIO) or Software Trigger

Synchronization:

Back Panel (Right Angle)

Interface Port Orientation:

7-pin JST

GPIO Connector Type:

Threading & Mounting

S-Mount (M12 x 0.5)

Mount:

¼-20 and M6 with Tripod Mount Adapter [#14-156](#)

Mounting Threads:

Environmental & Durability Factors

+5 to +65

Operating Temperature (°C):

-10 to +70

Storage Temperature (°C):

Regulatory Compliance

[Compliant](#)

RoHS 2015:

[View](#)

Certificate of Conformance:

[Compliant](#)

Reach 240:

Product Details

- Right Angle USB Port Orientation
- Compact, Low Cost, High Performance Design for Machine Vision and Embedded Applications
- ALVUM® System on Chip (SoC) Technology with Onboard Imaging Preprocessing
- [Allied Vision Alvium USB 3.1 Cameras](#) Also Available

Allied Vision Alvium Right Angle USB 3.1 Cameras feature ALVUM® System on Chip (SoC) technology and a right-angle USB port in a lightweight compact form factor, offering a comprehensive image processing library for advanced onboard image correction, preprocessing functions to relieve host computer and processor workload, and allow for easy system integration. In addition to smart camera operations, the unique SoC design also allows for low power consumption and ease of integration, making them ideal for next generation machine vision, robotics and embedded vision applications. The cameras feature a variety of popular Sony Pregius and On Semi CMOS sensors with high image quality, fast frame rate and USB3 Vision interface standard. The actively aligned lens mount minimizes inconsistency and variation. Allied Vision Alvium Right Angle USB 3.1 Cameras feature a 90° right angle USB port and are available in a variety of monochrome, color, and NIR configurations, including C-Mount, CS-Mount, and S-Mount. Full housing versions are best suited for prototyping, development and end user uses. Partial housing and board level configurations have exposed image sensor PCB without heat sinks to reduce space and facilitate system integration making them ideal for OEM embedded design.

Note: Board level versions do not have a lens mount.

Calibration Services