Allied Vision Alvium 1800 U-500c, 1/2.5" 5.0MP, USB 3.0 Color Camera (Board Level) (Recertified 05-P)

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Allied Vision Alvium Camera, Board Level (Front)

+3

Stock **#14-151-RCD-05P** RECERTIFIED   **1 In Stock**

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− 1 +   **€200**⁰⁰

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Note: This item requires accessories for use | Learn More

Product Downloads

Spectrum:
Color

General

Type:	
Color Camera	
Model Number:	
1800 U-500c	
Manufacturer:	
Allied Vision	
Camera Series:	
Alvium	

Physical & Mechanical Properties

Dimensions (mm):	
13 x 26 x 26 (includes connectors and lens mount)	
Weight (g):	
15	
Housing:	
Board Level	

Sensor

Image Buffer:	
256KB	
Sensor Format:	
1/2.5"	
Resolution (Megapixels):	
5.00	
Frame Rate (fps):	
67.00	
Pixels (H x V):	
2,592 x 1,944	
Pixel Size, H x V (μm):	
2.2 x 2.2	
Sensing Area, H x V (mm):	
5.7 x 4.3	
Imaging Sensor:	
ON Semi AR0521	
Type of Sensor:	
Progressive Scan CMOS	
Shutter Type:	
Rolling	
Pixel Depth:	
8/10 bit	
Exposure Time:	
13μs - 849ms	
Machine Vision Standard:	
USB3 Vision v1.0, GenICam	

Electrical

Power Consumption (W):	
2.2	

Hardware & Interface Connectivity

Interface:	
USB 3.0 Gen 1	
Connector:	
USB 3.0 Gen 1, Micro-B	
Power Supply:	
Power over USB or via GPIO	
GPIOs:	
4 Programmable TTL GPIOs	
Synchronization:	
Hardware Trigger (GPIO) or Software Trigger	
Interface Port Orientation:	
Back Panel	
GPIO Connector Type:	
7-pin JST	

Threading & Mounting

Mount:	
No Lens Mount	
Mounting Threads:	
No Mounting Threads/Tripod Adapter	

Environmental & Durability Factors

Operating Temperature (°C):	
-20 to +85 (mainboard temperature)	

Storage Temperature (°C):
-20 to +85

Regulatory Compliance

Certificate of Conformance:

View

Product Details

- Compact, Low Cost, High Performance Design for Machine Vision and Embedded Applications
- ALVIUM® System on Chip (SoC) Technology with Onboard Imaging Preprocessing
- Up to 24.60 MegaPixels, 1.2" Sensor Format
- Allied Vision Alvium Right Angle USB 3.1 Cameras Also Available

Allied Vision Alvium USB 3.0 Cameras feature a lightweight compact form factor with ALVIUM® System on Chip (SoC) technology, offering a comprehensive image processing library for advanced onboard image correction and preprocessing functions to relieve host computer and processor workload. 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 USB 3.0 Cameras feature a USB port on the back panel 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.

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