

Allied Vision Alvium 1800 U-500m, 1/2.5" 5.0MP, USB 3.1 Monochrome Camera (Board Level)

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Allied Vision Alvium Camera, Board Level (Front)



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Video Output:
USB 3.1 Gen 1

Type: Monochrome Camera
Manufacturer: Allied Vision
Mounting Threads: No Mounting Threads/Tripod Adapter
Image Buffer: 256KB
Camera Family: Alvium
Model Number: 1800 U-500m
Imaging Sensor: ON Semi AR0521
Type of Sensor: Progressive Scan CMOS
Type of Shutter: Rolling
Camera Sensor Format: 1/2.5"
Resolution (MegaPixels): 5.00
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
Frame Rate (fps): 67.00
Pixel Depth: 8/10 bit
Exposure Time: 13µs - 849ms
Connector: USB 3.1 Gen 1, Micro-B
Power Supply: Power over USB or via GPIO
Power Consumption (W): 2.2
GPIOs: 4 Programmable TTL GPIOs
Synchronization: Hardware Trigger (GPIO) or Software Trigger
Dimensions (mm): 13 x 26 x 26 (includes connectors and lens mount)
Weight (g): 15
Mount: N/A
Housing: Board Level
Interface Port Orientation: Back Panel
Dynamic Range (dB): 63
Operating Temperature (°C): -20 to +85 (mainboard temperature)
Storage Temperature (°C): -20 to +85
GPIO Connector Type: 7-pin JST
Machine Vision Standard: USB3 Vision v1.0, GenICam

Regulatory Compliance

RoHS 2015: Compliant
Certificate of Conformance: View
Reach 235: Compliant

