

Allied Vision Alvium 1800 U-507m, 2/3" 5.1MP, 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-507m
Imaging Sensor: Sony IMX264
Type of Sensor: Progressive Scan CMOS
Type of Shutter: Global
Camera Sensor Format: 2/3"
Resolution (MegaPixels): 5.10
Pixels (H x V): 2,464 x 2,056
Pixel Size, H x V (µm): 3.45 x 3.45
Sensing Area, H x V (mm): 8.5 x 7.1
Frame Rate (fps): 34.00
Pixel Depth: 8/10/12 bit
Exposure Time: 176µs - 10s
Connector: USB 3.1 Gen 1, Micro-B
Power Supply: Power over USB or via GPIO
Power Consumption (W): 2.0
GPIOs: 4 Programmable TTL GPIOs
Synchronization: Hardware Trigger (GPIO) or Software Trigger
Dimensions (mm): 13 x 26 x 26 (includes connectors)
Weight (g): 15
Mount: N/A
Housing: Board Level
Interface Port Orientation: Back Panel
Dynamic Range (dB): 72
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