

Allied Vision Alvium G1-500m, 1/2.5" 5MP S-Mount, GigE PoE Monochrome Camera

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Video Output:
GigE (PoE)

Type:
Monochrome Camera

Manufacturer:
Allied Vision

Mounting Threads: ¼"-20 and M6 with Tripod Mount Adapter #14-156
Image Buffer: 32MB
Camera Family: Avium G1
Model Number: Avium G1-500m
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): 23.00
Pixel Depth: 10 Bit
Exposure Time: 22µs - 1.4s
Connector: GigE, RJ45 with Screw Locks
Power Supply: PoE, 12 to 24 VDC via GPIO, or with external power supply #23-581
Power Consumption (W): External power: 2.9 W at 12 VDC Power over Ethernet: 3.2 W
GPIOs: 1 opto-isolated input, 1 opto-isolated output, 2 non-isolated GPIOs
Synchronization: Hardware Trigger (GPIO) or Software Trigger
Dimensions (mm): 36 x 29 x 29
Weight (g): 65
Mount: M12 x 0.5 (S-Mount)
Housing: Full
Interface Port Orientation: Back Panel
Dynamic Range (dB): Not Specified
Operating Temperature (°C): -20 to +50
Storage Temperature (°C): -20 to +85
GPIO Connector Type: 10-pin TFM
Machine Vision Standard: GigE Vision V1.2, GenICam V2.0

Regulatory Compliance

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