

Allied Vision Alvium G1-158m, 1/2.9" 1.6MP 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 G1-158m
Imaging Sensor: Sony IMX273
Type of Sensor: Progressive Scan CMOS
Type of Shutter: Global
Camera Sensor Format: 1/2.9"
Resolution (MegaPixels): 1.60
Pixels (H x V): 1,456 x 1,088
Pixel Size, H x V (µm): 3.45 x 3.45
Sensing Area, H x V (mm): 5.0 x 3.8
Frame Rate (fps): 72.00
Pixel Depth: 8/10/12 Bit
Exposure Time: 39µs - 10s
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: 3.6 W at 12 VDC Power over Ethernet: 3.9 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-Mbunt)
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

