

Allied Vision Alvium G1-2040m, 1.1" 20.4MP C-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: Alvium G1
Model Number: Alvium G1-2040m
Imaging Sensor: Sony IMX541
Type of Sensor: Progressive Scan CMOS
Type of Shutter: Global
Camera Sensor Format: 1.1"
Resolution (MegaPixels): 20.40
Pixels (H x V): 4,512 x 4,512
Pixel Size, H x V (µm): 2.74 x 2.74
Sensing Area, H x V (mm): 12.36 x 12.36
Frame Rate (fps): 5.80
Pixel Depth: 12 Bit
Exposure Time: 78µs - 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: 3.8 W at 12 VDC Power over Ethernet: 4.2 W
GPIOs: 1 opto-isolated input, 1 opto-isolated output, 2 non-isolated GPIOs
Synchronization: Hardware Trigger (GPIO) or Software Trigger
Dimensions (mm): 41 x 29 x 29
Weight (g): 65
Mount: C-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

