

Allied Vision Mako G-419B 1" NIR CMOS Camera

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Allied Vision Mako Power over Ethernet (PoE) Cameras (Front)



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1



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Video Output:
GigE (PoE)

Type:
NIR Camera

Manufacturer: Allied Vision
Mounting Threads: ¼-20 with Tripod Mount Adapter #88-483
Image Buffer: 64MB
Camera Family: Mako
Model Number: G-419B
Imaging Sensor: CMOSIS CMV4000
Type of Sensor: Progressive Scan CMOS
Type of Shutter: Global
Camera Sensor Format: 1"
Resolution (MegaPixels): 4.20
Pixels (H x V): 2,048 x 2,048
Pixel Size, H x V (µm): 5.5 x 5.5
Sensing Area, H x V (mm): 11.3 x 11.3
Frame Rate (fps): 26.30
Pixel Depth: 8/12 bit
Exposure Time: 41µs to 153s
Connector: GigE, RJ45 with Screw Locks
Power Supply: Power over Ethernet (PoE), via GPIO, or with external power supply
Power Consumption (W): 2.3 (12VDC External Power Supply) 2.7 (PoE)
GPIOs: 1 opto-isolated input, 3 opto-isolated ouputs
Synchronization: Hardware Trigger (GPIO), Software Trigger, or PTP (IEEE 1588)
Dimensions (mm): 42.6 x 29.2 x 29.2 (excludes connectors and lens mount)
Weight (g): 80
Mount: C-Mount
Housing: Full
Interface Port Orientation: Back Panel
Dynamic Range (dB): 56.6
Operating Temperature (°C): +5 to +45
Storage Temperature (°C): -10 to +70
GPIO Connector Type: 8-pin Hirose (HR25)
Machine Vision Standard: GigE Vision V1.2, GenICam SFNC V1.2.1

Regulatory Compliance

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

