

Allied Vision Manta G-419 1" Monochrome CMOS Camera

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Allied VSION Manta GigE Cameras (Front)



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Video Output:
GigE

Type:
Monochrome Camera

Manufacturer: Allied Vision
Mounting Threads: ¼-20 with Tripod Mount Adapter #89-996
Image Buffer: 32MB
Camera Family: Manta
Model Number: Manta 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): 28.60
Pixel Depth: 12 bit
Exposure Time: Via Software
Connector: GigE, RJ45 with Screw Locks
Power Supply: Power Supply Required and Sold Separately. USA: #15-281 Europe: #15-281 Japan: #15-281 China: #15-281
Power Consumption (W): 2.7 (12VDC External Power Supply)
GPIOs: 2 opto-isolated inputs, 2 opto-isolated outputs
Synchronization: Hardware Trigger (GPIO) or Software Trigger
Dimensions (mm): 71 x 44 x 29 (excludes connectors and lens mount)
Weight (g): 150
Mount: C-Mount
Housing: Full
Interface Port Orientation: Back Panel
Dynamic Range (dB): 56.5
Operating Temperature (°C): +5 to +45
Storage Temperature (°C): -10 to +70
GPIO Connector Type: 12-pin Hirose (HR10)
Machine Vision Standard: GigE Vision v1.2, GenICam SFNC V1.2.1

Regulatory Compliance

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

