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Allied Vision Manta G-419 1" Monochrome CMOS Camera

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Allied Vision Manta GigE Cameras (Front)



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1

+

C\$2,828⁰⁰

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	Spectrum:
Monochrome	

General

	Type:
Monochrome Camera	

Manta G-419B	Model Number:
Allied Vision	Manufacturer:
Manta	Camera Series:
Physical & Mechanical Properties	
71 x 44 x 29 (excludes connectors and lens mount)	Dimensions (mm):
150	Weight (g):
Full	Housing:
Sensor	
32MB	Image Buffer:
1"	Sensor Format:
4.20	Resolution (Megapixels):
28.60	Frame Rate (fps):
2,048 x 2,048	Pixels (H x V):
5.5 x 5.5	Pixel Size, H x V (µm):
11.3 x 11.3	Sensing Area, H x V (mm):
CMOSIS CMV4000	Imaging Sensor:
Progressive Scan CMOS	Type of Sensor:
Global	Shutter Type:
12 bit	Pixel Depth:
Via Software	Exposure Time:
56.5	Dynamic Range (dB):
GigE Vision v1.2, GenICam SFNC V1.2.1	Machine Vision Standard:
Electrical	
2.7 (12VDC External Power Supply)	Power Consumption (W):
Hardware & Interface Connectivity	
GigE	Interface:
GigE, RJ45 with Screw Locks	Connector:
Power Supply Required and Sold Separately: USA: #15-281 Europe: #15-281 Japan: #15-281 China: #15-281	Power Supply:
2 opto-isolated inputs, 2 opto-isolated outputs	GPIOs:
Hardware Trigger (GPIO) or Software Trigger	Synchronization:
Back Panel	Interface Port Orientation:
12-pin Hirose (HR10)	GPIO Connector Type:
Threading & Mounting	
C-Mount	Mount:
1/4-20 with Tripod Mount Adapter #89-996	Mounting Threads:
Environmental & Durability Factors	

+5 to +45	Operating Temperature (°C):
-10 to +70	Storage Temperature (°C):

Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 240:

Product Details

- Ideal Analog Replacement
- Up to 1" Maximum Sensors
- Up to 125 fps
- 32MB of Onboard Memory

Allied Vision Manta GigE Cameras are an excellent choice for entry into using the GigE interface. Featuring an intuitive user interface as well as a powerful SDK, these cameras are an excellent value. With options from 0.3 MegaPixels to 12 MegaPixels, all sensors offered cover a wide array of applications. Allied Vision Manta GigE Cameras feature sensors from 1/4" to 1" in size. GigE Cable and Power Supply, both sold separately, are required for operation. Additional [GigE cables](#), [#89-996](#) 1/4-20 Mounting Plate, and [#62-712](#) 12 Pin I/O Cable are available.

Calibration Services