

Allied Vision Manta G-419 1" NIR CMOS Camera

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Allied Vision Manta GigE Cameras (Front)



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- 1 + €2.430⁰⁰

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SPECIFICATIONS

General

Type:

NIR Camera	
	Model Number:
Manta G-419 NIR	
	Manufacturer:
Allied Vision	
	Camera Series:
Manta	

	Spectrum:
NIR	

Physical & Mechanical Properties

	Dimensions (mm):
71 x 44 x 29 (excludes connectors and lens mount)	
	Weight (g):
150	

	Housing:
Full	

Sensor

	Image Buffer:
32MB	
	Sensor Format:
1"	

	Resolution (Megapixels):
4.20	
	Frame Rate (fps):
28.60	

	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	
	Imaging Sensor:
CMOSIS CMV4000	

	Type of Sensor:
Progressive Scan CMOS	
	Shutter Type:
Global	

	Pixel Depth:
12 bit	
	Exposure Time:
Via Software	

	Dynamic Range (dB):
60.0	
	Machine Vision Standard:
GigE Vision v1.2, GenICam SFNC V1.2.1	

Electrical

	Power Consumption (W):
2.7 (12VDC External Power Supply)	

Hardware & Interface Connectivity

	Interface:
GigE	
	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	

	GPIOs:
2 opto-isolated inputs, 2 opto-isolated outputs	

	Synchronization:
Hardware Trigger (GPIO) or Software Trigger	

	Interface Port Orientation:
Back Panel	

	GPIO Connector Type:
12-pin Hirose (HR10)	

Threading & Mounting

	Mount:
C-Mount	
	Mounting Threads:

Environmental & Durability Factors

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

Regulatory Compliance

Compliant	RoHS 2015:
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View	Certificate of Conformance:
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Compliant	Reach 240:
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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.