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Allied Vision Manta G-0319 1/1.8" Monochrome Camera

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Allied Vision Manta GigE Cameras (Front)



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1

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€1.010⁰⁰

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Monochrome

Spectrum:

General

Type:

Monochrome Camera	
Model Number:	Manta G-319B
Manufacturer:	Allied Vision
Camera Series:	Manta

Physical & Mechanical Properties

Dimensions (mm):	71 x 44 x 29 (excludes connectors and lens mount)
Weight (g):	190
Housing:	Full

Sensor

Image Buffer:	128MB
Sensor Format:	1/1.8"
Resolution (Megapixels):	3.20
Frame Rate (fps):	37.60
Pixels (H x V):	2,064 x 1,544
Pixel Size, H x V (µm):	3.45 x 3.45
Sensing Area, H x V (mm):	7.1 x 5.3
Imaging Sensor:	Sony IMX265
Type of Sensor:	Progressive Scan CMOS
Shutter Type:	Global
Pixel Depth:	12 bit
Exposure Time:	Via Software
Dynamic Range (dB):	72.3
Machine Vision Standard:	GigE Vision v1.2, GenICam SFNC V1.2.1

Electrical

Power Consumption (W):	2.7 (12VDC External Power Supply)
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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:	¼-20 with Tripod Mount Adapter #89-996

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:
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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.