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

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Allied Vision Manta GigE Cameras (Front)



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- 1 + €868^{MS}

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Color

Spectrum:

General

Type:

Color Camera

Manta G-319C

Model Number:

Allied Vision

Manufacturer:

Manta

Camera Series:

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):
72.2

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:
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

RoHS 2015:
[Compliant](#)

Certificate of Conformance:
[View](#)

Reach 240:
[Compliant](#)

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.
