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

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Allied Vision Manta GigE Cameras (Front)



Stock #34-717 **CLEARANCE** 4 In Stock

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1 €1.010<sup>00</sup>

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### Volume Pricing

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**Note:** This item requires accessories for use | [Learn More](#)

### Product Downloads

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

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+5 to +45      **Operating Temperature (°C):**

-10 to +70      **Storage Temperature (°C):**

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## Regulatory Compliance

**RoHS 2015:**  
[Compliant](#)

**Certificate of Conformance:**  
[View](#)

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**Reach 240:**  
[Compliant](#)

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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.

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