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## Allied Vision Manta G-235 1/1.2" Color CMOS Camera

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Allied Vision Manta GigE Cameras (Front)



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### Product Downloads

Color

Spectrum:

### General

Type:

Color Camera

Manta G-235C

**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):**  
200

**Housing:**  
Full

## Sensor

**Image Buffer:**  
32MB

**Sensor Format:**  
1/1.2"

**Resolution (Megapixels):**  
2.30

**Frame Rate (fps):**  
50.70

**Pixels (H x V):**  
1,920 x 1,200

**Pixel Size, H x V (µm):**  
5.86 x 5.86

**Sensing Area, H x V (mm):**  
11.3 x 7.0

**Imaging Sensor:**  
Sony IMX174

**Type of Sensor:**  
Progressive Scan CMOS

**Shutter Type:**  
Global

**Pixel Depth:**  
12 bit

**Exposure Time:**  
Via Software

**Dynamic Range (dB):**  
73.3

**Machine Vision Standard:**  
GigE Vision v1.2, GenICam SFNC V1.2.1

## Electrical

**Power Consumption (W):**  
2.8 (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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