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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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⊖ 1 ⊕ **A\$1,558<sup>32</sup>**

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Color Spectrum:

**General**

Color Camera Type:

Manta G-235C	<b>Model Number:</b>
Allied Vision	<b>Manufacturer:</b>
Manta	<b>Camera Series:</b>

## Physical & Mechanical Properties

71 x 44 x 29 (excludes connectors and lens mount)	<b>Dimensions (mm):</b>
200	<b>Weight (g):</b>
Full	<b>Housing:</b>

## Sensor

32MB	<b>Image Buffer:</b>
1/1.2"	<b>Sensor Format:</b>
2.30	<b>Resolution (Megapixels):</b>
50.70	<b>Frame Rate (fps):</b>
1,920 x 1,200	<b>Pixels (H x V):</b>
5.86 x 5.86	<b>Pixel Size, H x V (µm):</b>
11.3 x 7.0	<b>Sensing Area, H x V (mm):</b>
Sony IMX174	<b>Imaging Sensor:</b>
Progressive Scan CMOS	<b>Type of Sensor:</b>
Global	<b>Shutter Type:</b>
12 bit	<b>Pixel Depth:</b>
Via Software	<b>Exposure Time:</b>
73.3	<b>Dynamic Range (dB):</b>
GigE Vision v1.2, GenICam SFNC V1.2.1	<b>Machine Vision Standard:</b>

## Electrical

2.8 (12VDC External Power Supply)	<b>Power Consumption (W):</b>
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## Hardware & Interface Connectivity

GigE	<b>Interface:</b>
GigE, RJ45 with Screw Locks	<b>Connector:</b>
Power Supply Required and Sold Separately. USA: <a href="#">#15-281</a> Europe: <a href="#">#15-281</a> Japan: <a href="#">#15-281</a> China: <a href="#">#15-281</a>	<b>Power Supply:</b>
2 opto-isolated inputs, 2 opto-isolated outputs	<b>GPIOs:</b>
Hardware Trigger (GPIO) or Software Trigger	<b>Synchronization:</b>
Back Panel	<b>Interface Port Orientation:</b>
12-pin Hirose (HR10)	<b>GPIO Connector Type:</b>

## Threading & Mounting

C-Mount	<b>Mount:</b>
1/4-20 with Tripod Mount Adapter <a href="#">#89-996</a>	<b>Mounting Threads:</b>

## 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

[Compliant](#)      **RoHS 2015:**

[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.

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