

Allied Vision Manta G-1236 1.1" Monochrome CMOS Camera

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Allied Vision Manta GigE Cameras (Front)



Stock **#36-180** **1 In Stock**

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SPECIFICATIONS

General

Monochrome Camera	Type:
Manta G-1236	Model Number:
Allied Vision	Manufacturer:
Manta	Camera Series:
Monochrome	Spectrum:

Physical & Mechanical Properties

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

Sensor

128MB	Image Buffer:
1.1"	Sensor Format:
12.40	Resolution (Megapixels):
9.70	Frame Rate (fps):
4,112 x 3,008	Pixels (H x V):
3.45 x 3.45	Pixel Size, H x V (μm):
14.2 x 10.4	Sensing Area, H x V (mm):
Sony IMX304	Imaging Sensor:
Progressive Scan CMOS	Type of Sensor:
Global	Shutter Type:
8/12 bit	Pixel Depth:
Auto Exposure	Exposure Time:
71.8	Dynamic Range (dB):
GigE Vision v1.2, GenICam SFNC V1.2.1	Machine Vision Standard:

Electrical

3 (12VDC External Power Supply)	Power Consumption (W):
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Hardware & Interface Connectivity

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

Threading & Mounting

C-Mount	Mount:
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Mounting Threads:
1/4-20 with Tripod Mount Adapter [#89-996](#)

Environmental & Durability Factors

Operating Temperature (°C):
+5 to +45

Storage Temperature (°C):
-10 to +70

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.