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Allied Vision Manta G-1620B Monochrome CMOS PoE Camera

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Allied Vision Manta PoE Cameras



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SPECIFICATIONS

Monochrome

Spectrum:

General

Monochrome Camera

Type:

Manta G-1620B	Model Number:
Allied Vision	Manufacturer:
Manta PoE	Camera Series:

Physical & Mechanical Properties

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

Sensor

128MB	Image Buffer:
1.1"	Sensor Format:
16.20	Resolution (Megapixels):
7.40	Frame Rate (fps):
5,328 x 3,040	Pixels (H x V):
2.74 x 2.74	Pixel Size, H x V (µm):
14.6 x 8.3	Sensing Area, H x V (mm):
Sony IMX542	Imaging Sensor:
Progressive Scan CMOS	Type of Sensor:
Global	Shutter Type:
8/12 bit	Pixel Depth:
Via Software	Exposure Time:
70.7	Dynamic Range (dB):
GigE Vision v1.2, GenICam SFNC V1.2.1	Machine Vision Standard:

Electrical

3.3 (12VDC External Power Supply), 3.9 (PoE)	Power Consumption (W):
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Hardware & Interface Connectivity

GigE (PoE)	Interface:
GigE, RJ45 with Screw Locks	Connector:
Power over Ethernet (PoE), via GPIO, or with external power supply	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:
1/4-20 with Tripod Mount Adapter #89-996	Mounting Threads:

Environmental & Durability Factors

+5 to +45	Operating Temperature (°C):
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Storage Temperature (°C):	
-10 to +70	
Regulatory Compliance	
Compliant	RoHS 2015:
	Certificate of Conformance:
View	
Compliant	Reach 240:

PRODUCT DETAILS

- Up to 1.2" Maximum Sensors
- Up to 128MB of Onboard Memory
- Power over Ethernet for Increased Flexibility

Allied Vision Manta PoE Cameras are high performance GigE cameras that offer the flexibility of Power over Ethernet (PoE) for easy system integration. These cameras are available in monochrome or color models, with sensors ranging from 1/2.9" to 1.2" and resolutions from 0.4 to 24.55 MegaPixels. M3 threads on both the top and bottom of the camera housing allow for easy camera mounting, and an optional 1/4-20 Tripod Adapter (#89-996) is also available. Allied Vision Manta PoE Cameras feature C-Mount threading and are compatible with C-Mount accessories including imaging lenses and machine vision filters. The robust metal housing makes these PoE cameras ideal for industrial environments and machine vision applications such as quality control or industrial inspection.

Note: GigE cable (#63-431) sold separately and required for operation. Allied Vision Manta GigE cameras without Power over Ethernet are also available.