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Allied Vision Mako G-234B 1/1.2" Monochrome CMOS Camera

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Allied Vision Mako Power over Ethernet (PoE) Cameras (Front)

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Spectrum:

Monochrome

General

Type:

Monochrome Camera

Model Number:
G-234B

Manufacturer:
Allied Vision

Camera Series:
Mako

Physical & Mechanical Properties

Dimensions (mm):
42.6 x 29.2 x 29.2 (excludes connectors and lens mount)

Weight (g):
80

Housing:
Full

Sensor

Image Buffer:
64MB

Sensor Format:
1/1.2"

Resolution (Megapixels):
2.35

Frame Rate (fps):
40.00

Pixels (H x V):
1,936 x 1,216

Pixel Size, H x V (µm):
5.86 x 5.86

Sensing Area, H x V (mm):
11.34 x 7.13

Imaging Sensor:
Sony IMX249

Type of Sensor:
Progressive Scan CMOS

Shutter Type:
Global

Pixel Depth:
10/12 bit

Exposure Time:
Auto Exposure

Dynamic Range (dB):
73.6

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

Electrical

Power Consumption (W):
2.4 (12VDC External Power Supply)
2.8 (PoE)

Hardware & Interface Connectivity

Interface:
GigE (PoE)

Connector:
GigE, RJ45 with Screw Locks

Power Supply:
Power over Ethernet (PoE), via GPIO, or with external power supply

GPIOs:
1 opto-isolated input, 3 opto-isolated ouputs

Synchronization:
Hardware Trigger (GPIO), Software Trigger, or PTP (IEEE 1588)

Interface Port Orientation:
Back Panel

GPIO Connector Type:
8-pin Hirose (HR25)

Threading & Mounting

Mount:
C-Mount

Mounting Threads:
¼-20 with Tripod Mount Adapter **#88-483**

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

- Compact, Robust Metal Housing
- One Optocoupled Input, Three Outputs
- Power over Ethernet for Increased Flexibility

Allied Vision Mako Power over Ethernet (PoE) Cameras are ideal digital replacements for analog cameras in a variety of applications, including robots, inspection, or logistics. Allied Vision Mako PoE Cameras feature a precision-aligned sensor to maximize image performance, in addition to a 64MB image buffer. To increase adaptability, Allied Vision Mako PoE Cameras also come equipped with multiple smart features, including the region of interest readout, programmable exposure and white balance, and easy bandwidth control. Allied Vision Mako Power over Ethernet (PoE) Cameras utilize a robust metal housing along with camera temperature monitoring to ensure maximum performance in a range of environments. These cameras are offered in both monochrome and color, with varying resolutions.

Note: GigE cable and power supply (if not using PoE) required for operation.

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