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Allied Vision Mako G-419B 1" NIR CMOS Camera

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



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NIR **Spectrum:**

General

NIR Camera **Type:**

G-419B **Model Number:**

Allied Vision
Mako

Manufacturer:
Camera Series:

Physical & Mechanical Properties

42.6 x 29.2 x 29.2 (excludes connectors and lens mount)

Dimensions (mm):

80

Weight (g):

Full

Housing:

Sensor

64MB

Image Buffer:

1"

Sensor Format:

4.20

Resolution (Megapixels):

26.30

Frame Rate (fps):

2,048 x 2,048

Pixels (H x V):

5.5 x 5.5

Pixel Size, H x V (µm):

11.3 x 11.3

Sensing Area, H x V (mm):

CMOSIS CMM4000

Imaging Sensor:

Progressive Scan CMOS

Type of Sensor:

Global

Shutter Type:

8/12 bit

Pixel Depth:

41µs to 153s

Exposure Time:

56.6

Dynamic Range (dB):

GigE Vision V1.2, GenICam SFNC V1.2.1

Machine Vision Standard:

Electrical

2.3 (12VDC External Power Supply)
2.7 (PoE)

Power Consumption (W):

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:

1 opto-isolated input, 3 opto-isolated outputs

GPIOs:

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

Synchronization:

Back Panel

Interface Port Orientation:

8-pin Hirose (HR25)

GPIO Connector Type:

Threading & Mounting

C-Mount

Mount:

1/4-20 with Tripod Mount Adapter [#88-483](#)

Mounting Threads:

Environmental & Durability Factors

+5 to +45

Operating Temperature (°C):

Storage Temperature (°C):

Regulatory Compliance

Compliant **RoHS 2015:**

View **Certificate of Conformance:**

Compliant **Reach 240:**

Canada **Country of Origin:**

Edmund Optics India Private Limited **Imported By:**

Product Details

GigE cable and [power supply](#) (if not using PoE) required for operation.

- 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.
