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Allied Vision Mako G-319 1/1.8" Color CMOS Camera (Recertified 05-P)

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



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General

G-319C **Model Number:**

Color Camera **Type:**

Mako **Camera Series:**

Allied Vision **Manufacturer:**

Physical & Mechanical Properties

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

80 **Weight (g):**

Full **Housing:**

Sensor

37.5000000000 **Frame Rate (fps):**

Sony IMX265 **Imaging Sensor:**

3.45 x 3.45 **Pixel Size, H x V (µm):**

2,048 x 1,544 **Pixels (H x V):**

7.1 x 5.3 **Sensing Area, H x V (mm):**

8/12 bit **Pixel Depth:**

Global **Shutter Type:**

Progressive Scan CMOS **Type of Sensor:**

Auto Exposure **Exposure Time:**

1/1.8" **Sensor Format:**

72.7 **Dynamic Range (dB):**

64MB **Image Buffer:**

3.2000000000 **Resolution (Megapixels):**

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

Electrical

2.7 (12VDC External Power Supply)
3.1 (PoE) **Power Consumption (W):**

Hardware & Interface Connectivity

GigE, RJ45 with Screw Locks **Connector:**

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

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

GigE (PoE) **Interface:**

GigE Vision **Camera Control:**

Back Panel **Interface Port Orientation:**

1 opto-isolated input, 3 opto-isolated outputs **GPIOs:**

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):**

-10 to +70 **Storage Temperature (°C):**

Regulatory Compliance

[Compliant](#) **Reach 191:**

[Compliant](#) **RoHS 2015:**

[View](#) **Certificate of Conformance:**

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.
