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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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Color Spectrum:

General

Color Camera Type:

G-319C	Model Number:
Allied Vision	Manufacturer:
Mako	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:
1/1.8"	Sensor Format:
3.20	Resolution (Megapixels):
37.50	Frame Rate (fps):
2,048 x 1,544	Pixels (H x V):
3.45 x 3.45	Pixel Size, H x V (µm):
7.1 x 5.3	Sensing Area, H x V (mm):
Sony IMX265	Imaging Sensor:
Progressive Scan CMOS	Type of Sensor:
Global	Shutter Type:
8/12 bit	Pixel Depth:
Auto Exposure	Exposure Time:
72.7	Dynamic Range (dB):
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):
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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:
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):**

-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.
