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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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⊖ 1 ⊕ £508^{MS}

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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):
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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.

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