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Allied Vision Mako G-158 1/2.9" Color CMOS Camera

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



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1

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£536⁰⁰

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Color

Spectrum:

General

Type:

Color Camera	
	Model Number:
G-158C	
	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:
1/2.9"	
	Resolution (Megapixels):
1.58	
	Frame Rate (fps):
75.20	
	Pixels (H x V):
1,456 x 1,088	
	Pixel Size, H x V (µm):
3.45 x 3.45	
	Sensing Area, H x V (mm):
4.96 x 3.72	
	Imaging Sensor:
Sony IMX273	
	Type of Sensor:
Progressive Scan CMOS	
	Shutter Type:
Global	
	Pixel Depth:
12 bit	
	Exposure Time:
Via Software	
	Dynamic Range (dB):
71.5	
	Machine Vision Standard:
GigE Vision V1.2, GenICam SFNC V1.2.1	

Electrical

	Power Consumption (W):
2.43 (12VDC External Power Supply) 2.68 (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

+5 to +45	Operating Temperature (°C):
-10 to +70	Storage Temperature (°C):

Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:

Compliant	Reach 240:
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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.