

▲ CAM-CIC-12-9M-IP67

- IP67 Dust and water protection
- M12 and M8 IP67 connector ports
- 1Gbps Ethernet interface, PoE, max 100m transmission
- Active sensor alignment
- Support multiple image data formats
- Software trigger/Hardware trigger/Free run mode
- Compatible with GigE Vision V2.0 protocol and GenICam standard



Specification

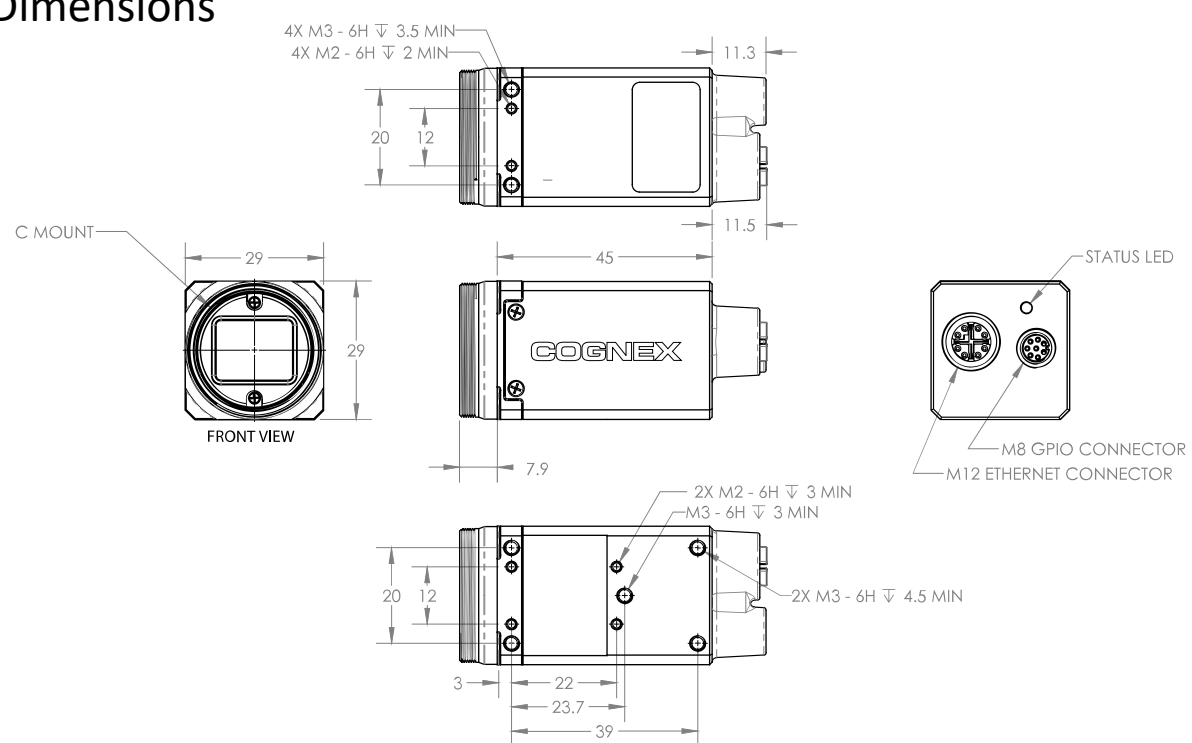
Model	Sensor	Sensor type	Shutter	Resolution	Frame rate (fps)	Bit depth	Interface	Mono/Color	Pixel size (μm)	Sensor size
CAM-CIC-12-9M-IP67	IMX304	CMOS	Global	4096 x 3000	9	12	M12 GigE, PoE	Mono	3.45 x 3.45	1.1"

Model	CAM-CIC-12-9M-IP67
Effective Pixels	12.3 MP
SNR	40.11 dB (Max)
Dynamic Range	71.19 dB
GPIO	8 pin M8 connector. Opto-Isolated I/O Ports: 1 input (2.5V-24V and 10.5V-24V), 1 output. Non-Isolated I/O Ports: 2 bi-directional
Image Format	Mono8/10/12/16, Bayer8/10/12/16, RGB8, BGR8, YCbCr8, YCbCr411, YUV422, YUV411
Binning	Horizontal and vertical binning
Gain	0 dB to 48 dB analog and digital
Gamma	Range from 0.2 to 2, support LUT
Exposure Time	47.2 μs to 10 s (Normal) / 1.4 μs to 16.1 μs (Short Mode)
Trigger Mode	Software trigger / Hardware trigger / PTP (IEEE 1588) / Free run
Image Buffer	128 MB
User Setting	1 default and 2 custom user set
Dimensions	29 x 29 x 45 mm (not including lens mount and rear case connector)
Weight	67 g
Power Supply	PoE (IEEE 802.3af), or 12-24 VDC external
Power Consumption	3.5W via PoE, 3.0W when powered externally
Lens Mount	C
Temperature	Storage Temperature:-30 to 60°C; Operating Temperature:-20 to 55°C ambient

Spectrogram



Dimensions



IO Interface Instruction

M12 Ethernet Connector

M8 GPIO Connector

Status LED

M12 Ethernet Pin Number (Camera Side)	Pin Description
1	BI_DA+
2	BI_DA-
3	BI_DB+
4	BI_DB-
5	BI_DD+
6	BI_DD-
7	BI_DC-
8	BI_DC+

M8 GPIO Pin Number (Camera Side)	Pin Description
1 (Red)	VAUX (12-24V DC Power Input)
2 (Brown)	Non-isolated bi-directional GPIO channel (Line 2)
3 (Orange)	VDD GPIO (2.5V Power Output) (Line 4)
4 (Purple)	Non-isolated bi-directional GPIO channel (Line 3)
5 (Black)	GND (Camera GND)
6 (Blue)	OPTO GND (Opto-isolated Reference)
7 (Yellow)	OPTO OUT (Opto-isolated Output) (Line 1)
8 (Green)	OPTO IN (Opto-isolated Input) (Line 0)