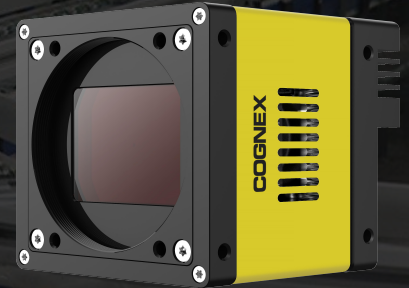


▲ CAM-CIC-3100-3-G-1

- Gigabit Ethernet interface, with a maximum transmission distance of 100m;
- A patented flatness mediation scheme to eliminate area defocusing;
- Support Software Trigger/Hardware Trigger/Free Run Mode;
- Support user-defined ROI, horizontal mirroring and vertical mirroring;
- Support ISP functions including:
Auto Exposure/Auto Gain/Auto BlackLevel/Gamma Correction and LUT;
- Support for FFC function to provide more uniform picture quality;
- Support fan speed adaptive function for setting the target temperature of the sensor;
- Conform to GigE Vision V2.0 protocol and GenICam standard;
- Support DC 24V power supply;
- Conform to CE, FCC, KC, RoHS;

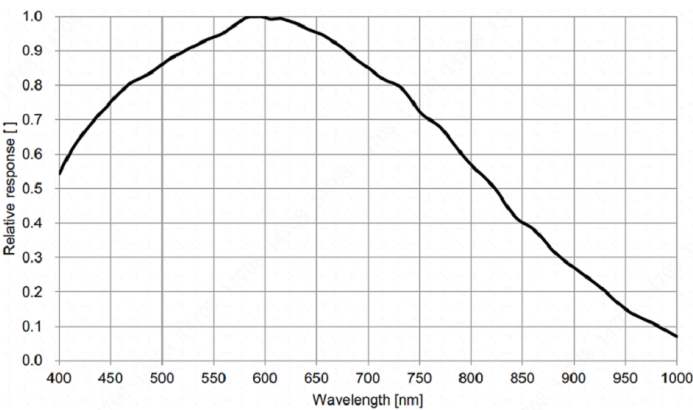


Specification

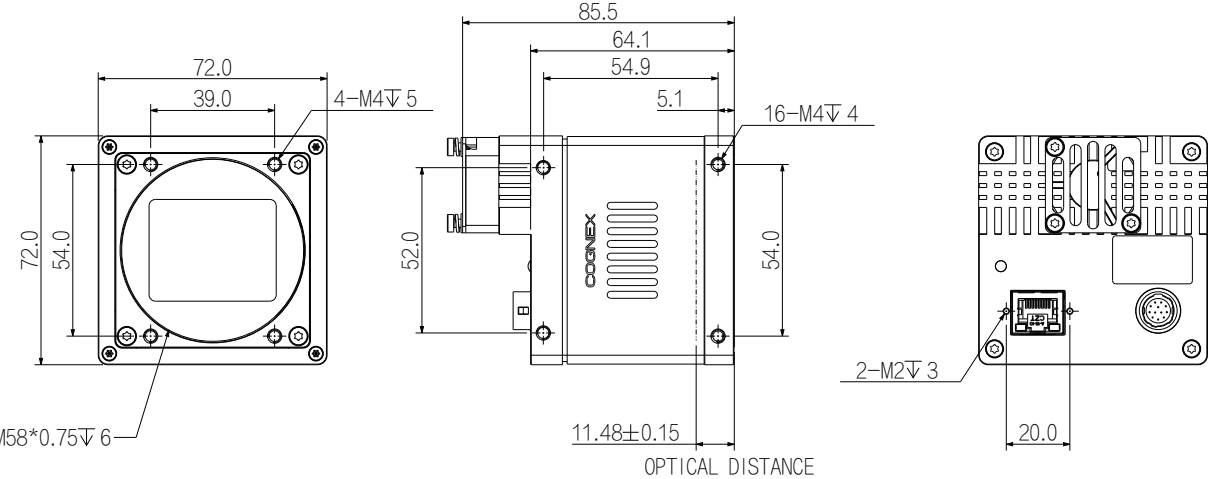
Model	Sensor	Sensor type	Shutter	Resolution	Frame rate (fps)	Bit depth	Interface	Mono/Color	Pixel size (μ m)	Sensor size
CAM-CIC-3100-3-G-1	IMX342	CMOS	Global	6464 x 4852	3.6 fps	12bit	Gige	Mono	3.45 x 3.45	22.3 mm x 16.7 mm CMOS

Model	CAM-CIC-3100-3-G-1
Effective Pixels	31 MP
SNR	40 dB
Dynamic Range	73 dB
GPIO	3x Opto-isolated input, 3x Opto-isolated output, 1x RS232 interface
Image Format	Mono8/10/10Packed/12/12Packed
Binning	Support
Gain	X1~X32
Gamma	Range from 0 to 4, support LUT
Exposure Time	3 μ s ~ 15 s
Trigger Mode	software trigger/Hardware trigger/Free run mode
Image Buffer	256 MB
User Setting	Support two sets of user-defined configuration
Dimensions	72 mm x 72 mm x 64 mm (not including the rear case connector)
Weight	487 g
Power Supply	DC 24V power supply via the 12-pin Hirose interface
Power Consumption	24 V $\approx$ 7.86 W
Lens Mount	M58 x 0.75
Temperature	Storage temperature: -30° C ~ + 80° C; Operation temperature: -30° C ~ +50° C

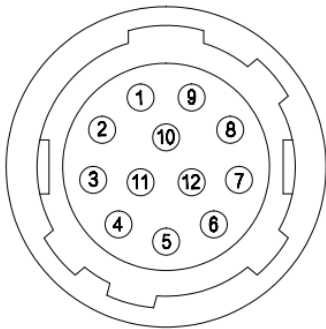
Spectrogram



Dimensions



IO Interface Instruction



Pin	Signal	Description
1	GND	Power and signal GND
2	Power	Power supply
3	RXD RS232	Serial receive
4	TXD RS232	Serial send
5	Line3	Opto-isolated input
6	Line4	Opto-isolated input
7	Line5	Opto-isolated input
8	OPT_IN_GND	Opto-isolated input GND
9	Line0	Opto-isolated output
10	Line1	Opto-isolated output
11	Line2	Opto-isolated output
12	OPT_OUT_GND	Opto-isolated output GND