

# Large Area Scan Series

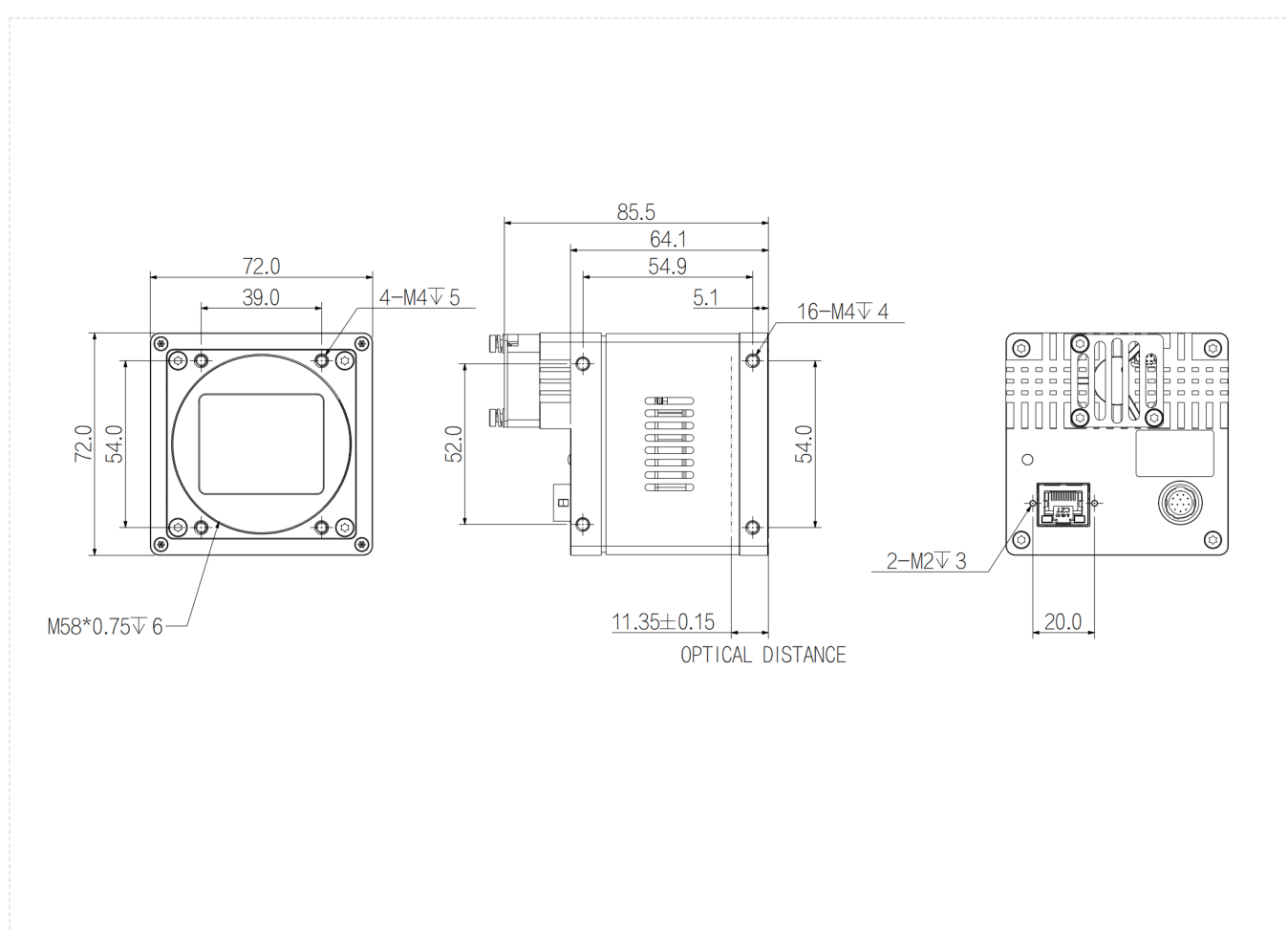
## AX7C10MG250E



### Features

- Gigabit Ethernet interface, with a maximum transmission distance of 100m; A patented flatness mediation scheme to eliminate area defocusing; Excellent heat dissipation design, precise temperature control and constant temperature maintenance; 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; Color cameras support automatic white balance; 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;

### Dimensions (mm)





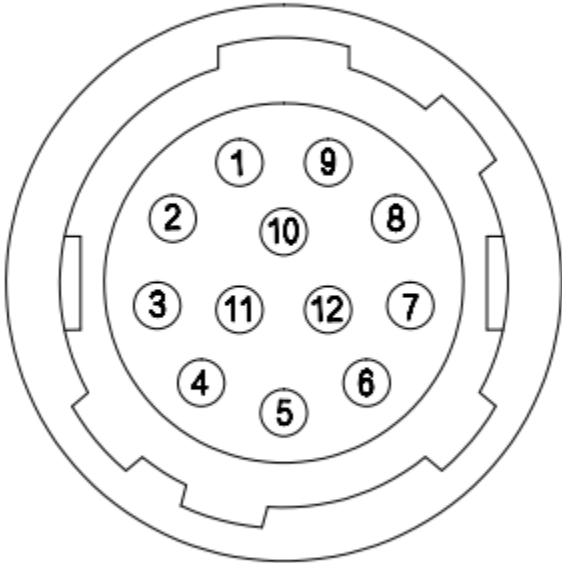
Specification

Model		AX7C10MG250E
Basic	Sensor	IMX342
	Image Sensor	22.3 mm × 16.7 mm CMOS
	Shutter	Global
	Resolution	6464 × 4852
	Frame Rate	3.6 fps
	Bit Depth	12 bit
	Mono/Color	Mono
	Pixel Size	3.45 μm × 3.45 μm
Image	Pixel	31 MP
	S/N Ratio	40 dB
	Dynamic Range	73 dB
	Image Format	Mono8/10/10Packed/12/12Packed
	Binning	1 × 2 , 2 × 1 , 2 × 2
	ROI	Support
	X Flip	Support
	Y Flip	Support
	Gain	1 ~ 32
	White Balance	Support
	Gamma	From 0 to 4 , support LUT
	Exposure Time	3 μs ~ 15 s
	Trigger Mode	Software Trigger/Hardware Trigger/Free Run Mode
	SPC	Support
Performance	User Setting	Support two sets of user-defined configurations
	Image Buffer	256 MB
Port	Port	GigE
	GPIO Interface	3x Opto-isolated input, 3x Opto-isolated output, 1x RS232 interface
	Lens Mount	M58 × 0.75
Power	Power Supply	DC 24V power supply via the 12-pin Hirose interface
	Power Consumption	24 V ≈ 7.86 W
Structure	Product Dimensions	72 mm × 72 mm × 64 mm (not including the rear case connector)
	Net Weight	487 g
Environment	Storage Temperature	-30°C ~ 80°C



Model		AX7C10MG250E
Environment	Operating Temperature	-30°C ~ 50°C

### Connector Pin-out



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

### Spectrogram

