

7000 Series Large Area Scan Camera

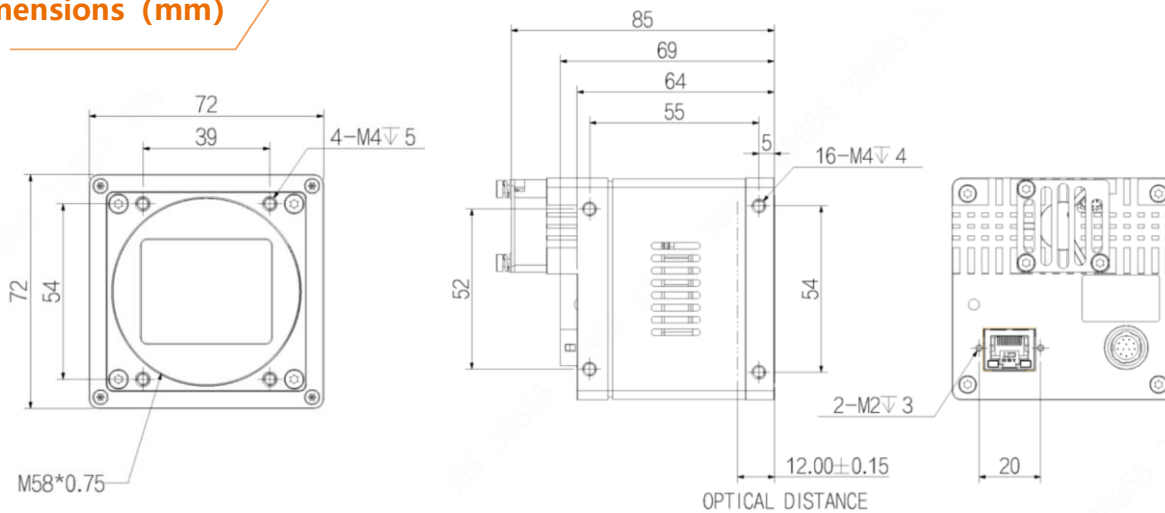
AX7C10CG250E

Product 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. Support automatic white balance in color cameras;
- 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 voltage power supply;
- Conform to CE, FCC, KC, RoHS;



Dimensions (mm)



Technical Specifications

Model Name	AX7C10CG250E
Sensor	IMX342
Sensor Type	22.3mm x 16.6mm CMOS
Shutter	Global
Resolution	6464 x 4852
Frame Rate	3.6
Bit Depth	12
Mono/Color	Color
Pixel Size	3.45 x 3.45
Pixel	31MP
S/N Ratio	40dB
WDR	73dB
Image Format	Mono8/BayerRG8/BayerGB8/BayerRG10/BayerGB10/BayerRG12/BayerGB12/BayerRG10Packed/BayerGB10Packed/BayerRG12Packed/BayerGB12Packed/YUV4
Binning	Support 1X2 2X1 2X2
ROI	Support
X-axis Flip	Support
Y-axis Flip	Support
Gain	1~32
Gamma	From 0 ~ 4, support LUT
Exposure Time	3μS~15S
Sync Mode	Software Trigger/Hardware Trigger/Free Run Mode
SPC	Support
User Setting	Support two sets of user-defined configurations
Storage	512MB data storage
Port	GigE
GPIO	3x Opto-isolated input, 3x Opto-isolated output, 1 RS232 serial port
Lens Mount	M58 x 0.75
Power Supply	DC 24V power supply via Hirose interface
Power Consumption	24V≈7.86W
Product Dimensions	72mm*72mm*64mm (not including lens mount and rear case connector)
Weight	487g
Working Environment	Storage: - 30°C~+80°C; Operation: - 30°C~+50°C

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