iRAYPLE
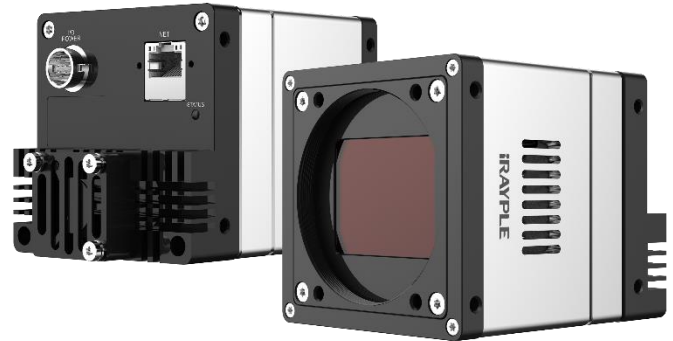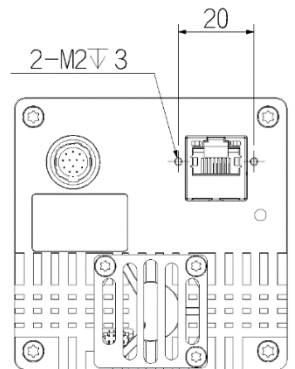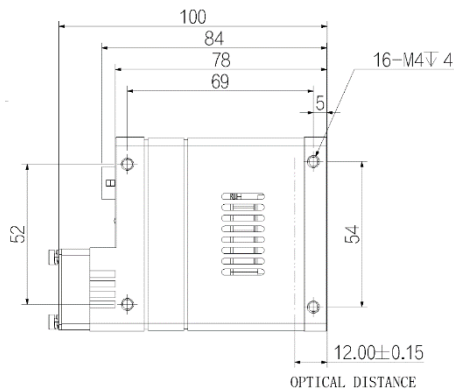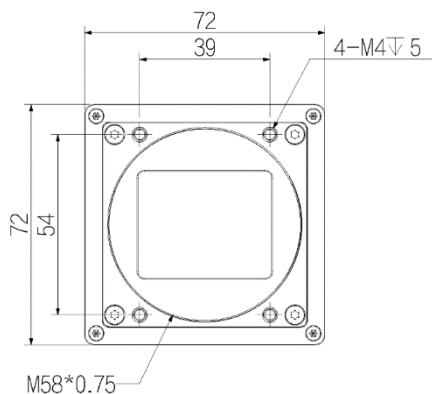
Large Area Scan Camera

AX5B51MT250E

Product Features

- 10GigE interface, provides up to 10Gbps effective bandwidth;
- A patented flatness mediation scheme to eliminate area defocusing;
- Excellent heat dissipation design, precise temperature control and constant temperature maintenance;
- 1GB on-board cache for data transmission or image resend;
- 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; Mono cameras support auto contrast adjustment;
- 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 protocol and GenICam standard;
- Support DC 24V voltage power supply;
- Conform to CE, FCC, KC, RoHS;

Dimensions (mm)

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Model Name	AX5B51MT250E
Sensor	PYTHON 25K
Sensor Type	CMOS
Shutter	Global
Resolution	5120 x 5120
Frame Rate	43
Bit Depth	10
Mono/Color	Mono
Pixel Size	4.5 x 4.5
Pixel	25MP
S/N Ratio	41dB
WDR	58dB
Image Format	BayerRG8/BayerGB8/BayerRG10/BayerGB10/BayerRG10Packed/BayerGB10Packed
Binning	NA
ROI	Support
X-axis Flip	Support
Y-axis Flip	Support
Gain	1~32
Gamma	From 0 ～ 4, support LUT
Exposure Time	35μS~15S
Sync Mode	Software Trigger/Hardware Trigger/Free Run Mode
SPC	Support
User Setting	Support two sets of user-defined configurations
Storage	1GB data storage
Port	10GigE
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 the 12-pin Hirose interface
Power Consumption	24V≈21.6W
Product Dimensions	72mm*72mm*78mm(not including rear case connector)
Weight	583g
Working Environment	Storage：－30℃~+80℃；Operation：－30℃~+50℃