iRAYPLE

7000 Series GigE Area Scan Camera
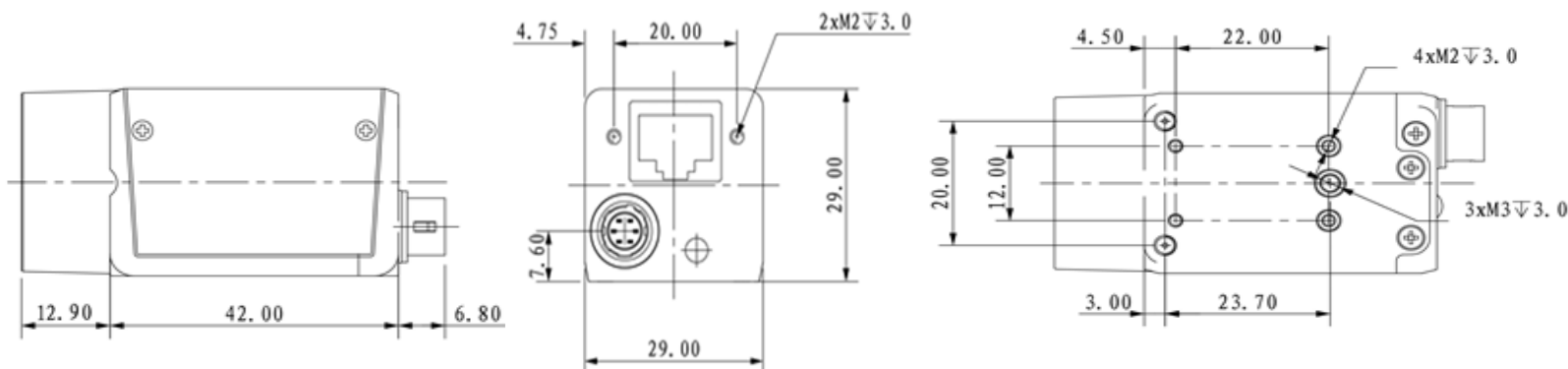
A7160CG000E

Product Features

- Gigabit Ethernet interface, providing 1Gbps bandwidth with a maximum transmission distance of 100m;
- 128MB on-board cache for data transmission or image resend;
- Support Software Trigger/Hardware Trigger/Free Run Mode;
- Support ISP functions including Sharpness/Denoising/Gamma/LUT/BlackLevel Correction/TargetBrightness/Contrast etc.;
- Color cameras support interpolation, white balance, color conversion matrix, chroma, saturation, etc.;
- Support multiple image data formats output/ROI/Mirror, etc.;
- Conform to GigE Vision V2.0 protocol and GenICam standard;
- Support PoE power supply, DC 9V~24V wide voltage power supply; Conform to CE, FCC, RoHS;

Dimensions (mm)

iRAYPLE

Technical Specifications

Model Name	A7160CG000E
Sensor	IMX273
Sensor Type	1/2.9''CMOS
Shutter	Global
Resolution	1440 x 1080
Frame Rate	77
Bit Depth	12
Mono/Color	Color
Pixel Size	3.45 x 3.45
Pixel	1.6MP
S/N Ratio	38dB
WDR	70dB
Image Format	Mono8,BayerRG8/10/10Packed/12/12Packed，BayerGB8/10/10Packed/12/12Packed，YUV422Packed
ROI	Support
X-axis Flip	Support
Y-axis Flip	Support
White Balance	Support
Gain	1~32
Gamma	From 0 ～ 4, support LUT
Exposure Time	26μS~1S
Sync Mode	Software Trigger/Hardware Trigger/Free Run Mode
SPC	Support
User Setting	Support two sets of user-defined configurations
Cache	64MB
Port	GigE, PoE
GPIO	1x 6 pin Hirose: 1x Opto-isolated input, 1x Opto-isolated output, 1 configurable input and output
Lens Mount	C-mount
Power Supply	PoE/ DC 9V~24V power supply via Hirose interface
Power Consumption	12V≈3.6W
Product Dimensions	29mm*29mm*42mm (not including lens mount and rear case connector)
Weight	88g
Working Environment	Storage：－30℃~+80℃；Operation：－30℃~+50℃