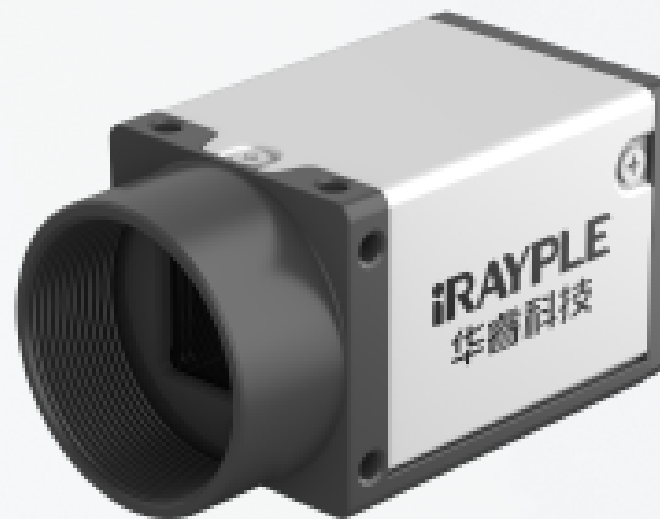


A Pro Series

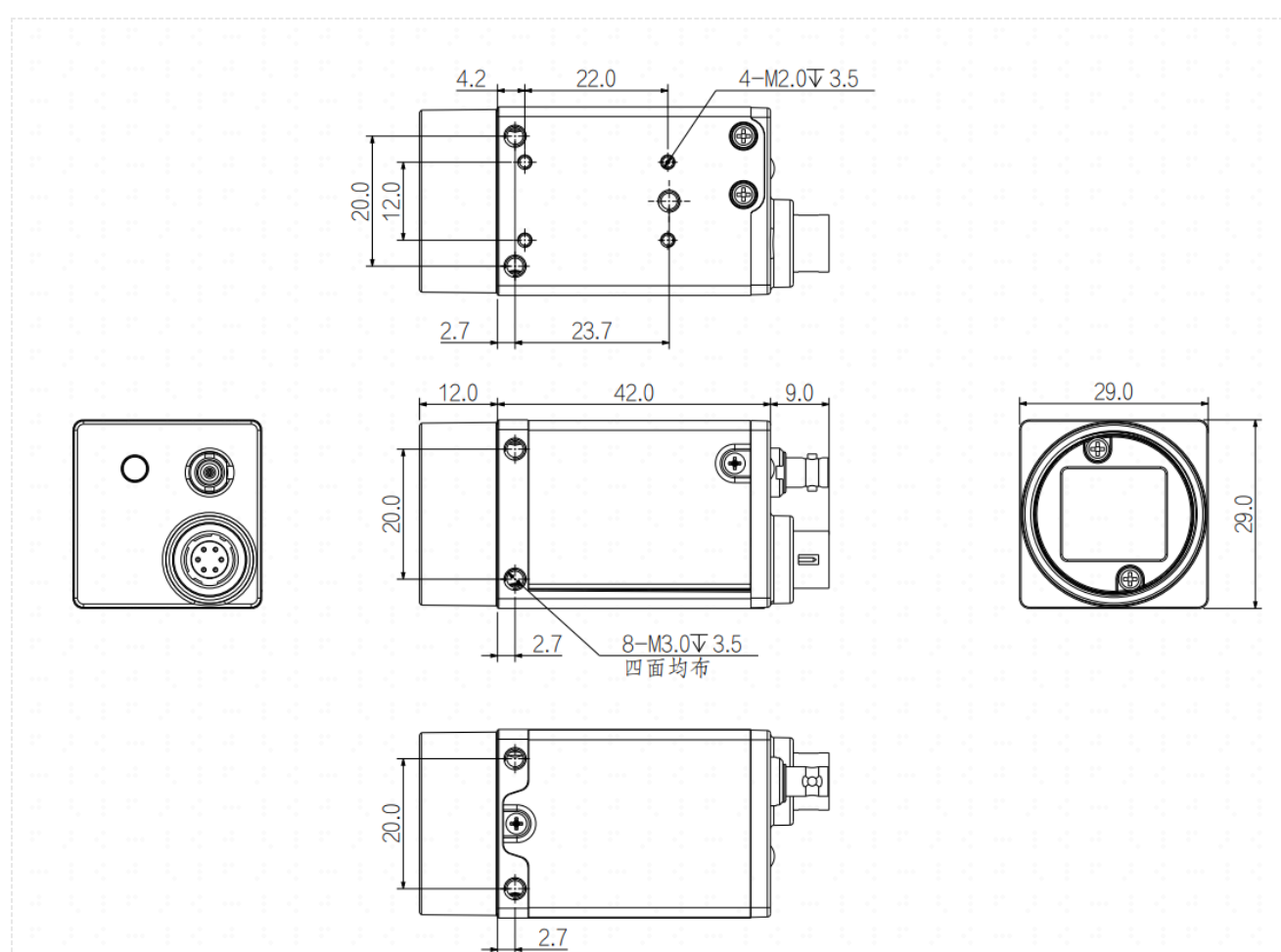
AH5A27CP000E



Features

- CXP-12 interface, 1×12.5Gbps theoretical transfer bandwidth;
- Support Software Trigger/Hardware Trigger/Free Run mode;
- Support user-defined ROI, horizontal mirror and vertical mirror;
- Support PoCXP and DC 9-24V power supply;
- Conforms to CoaXPress protocol and GenICam standard;
- Conform to CE、KC and RoHS;

Dimensions (mm)



Specification

Model		AH5A27CP000E
Basic	Image Sensor	CMOS
	Shutter	Global
	Resolution	4096 × 3072
	Frame Rate	94fps
	Bit Depth	10bit
	Mono/Color	Color
	Pixel Size	3.4 μm × 3.4 μm
Image	S/N Ratio	39.5dB
	Dynamic Range	67.9dB
	Image Format	Bayer RG8/10/12;Bayer GB 8/10/12
	ROI	Support
	X Flip	Support
	Y Flip	Support
	Gain	1~32
	Exposure Time	7μs~15s
	Trigger Mode	Software Trigger/Hardware Trigger/Free Run Mode
Performance	User Setting	Support two sets of user-defined configurations
Port	Port	CXP-12
	GPIO Interface	6 pin Hirose: 1x Opto-isolated input, 1x Opto-isolated output, 1 configurable input and output
	Lens Mount	C-mount
Power	Power Supply	DC 9-24V power supply via 6-pin Hirose interface , support PoCXP
	Power Consumption	5.4W @12 VDC
Structure	Product Dimensions	29 mm × 29 mm × 42 mm (Non including rear case connector)
	Net Weight	103g
Environment	Storage Temperature	-30℃~+80℃
	Operating Temperature	-30℃~+40℃

Connector Pin-out

Definitions of camera 6-pin ports:

Pin	Description	Features
1	-	+9VDC to 24VDC power supply
2	Line1	Opto-isolated input
3	Line2	GPIO (I/O can be configured for non-isolated software) ¹
4	Lineo	Opto-isolated output
5	-	Opto-isolated signal ground (ISO_GND)
6	-	Camera DC power ground and GPIO signal ground (GND)

Definition of 6-pin power port

