

AE Series

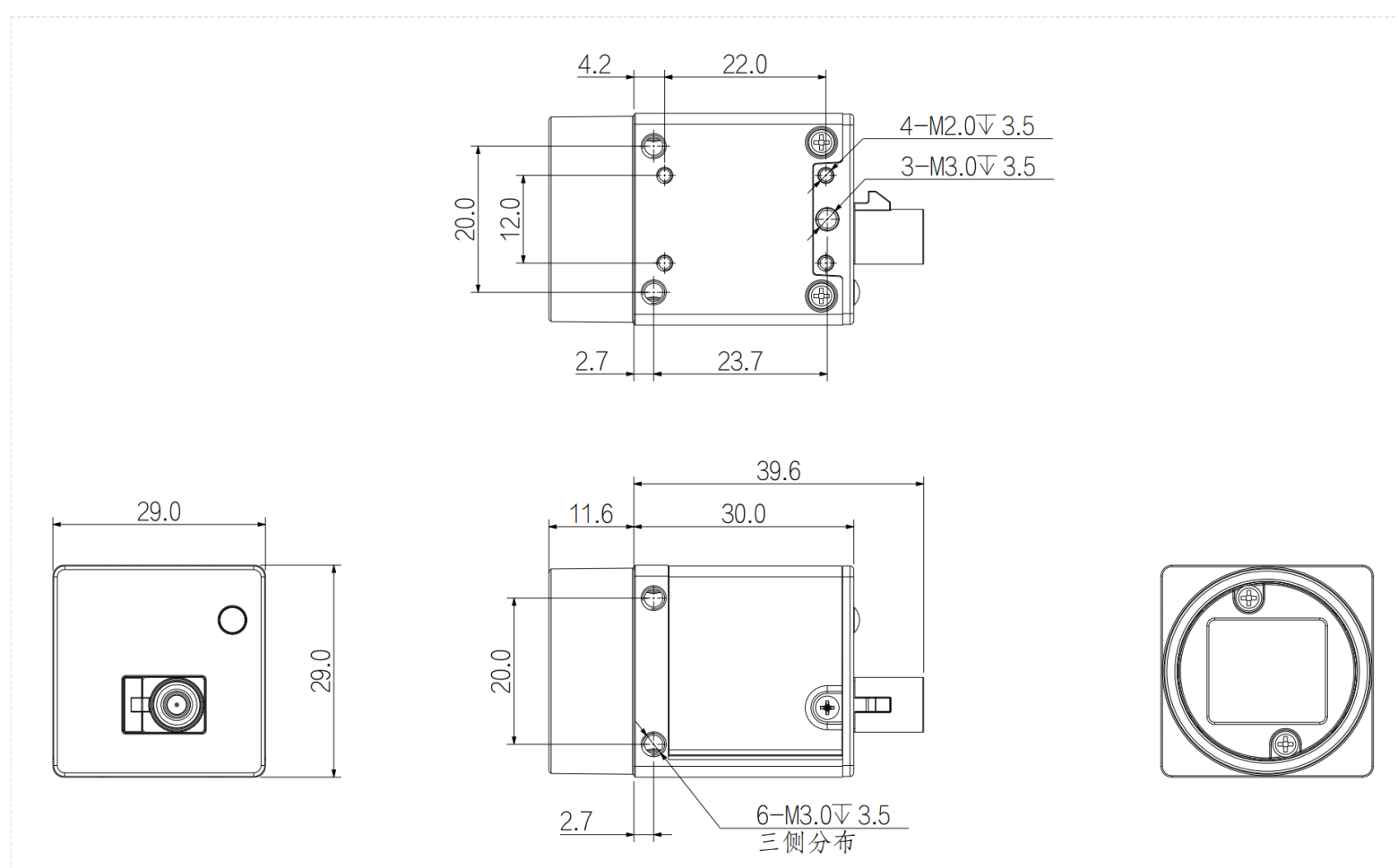
AE2000RCSE



Features

- Ultra-high speed: Effective bandwidth up to 5.2 Gbps, several times that of a gigabit Ethernet port, easily achieving high frame rate acquisition.
- Ultra-stable: Utilizes automotive-grade serial transmission protocol, with strong anti-interference capabilities, ensuring smooth 24/7 operation.
- Long distance: Transmission distance up to 15 meters, flexible cabling, covering most production lines.
- Simple cabling: Only a single coaxial cable is needed to simultaneously achieve 12V PoC power supply, GPIO control, and high-speed image data transmission.
- Conform to CE, RoHS;

Dimensions (mm)



Specification

Model		AE2000RCSE
Basic	Sensor	IMX183
	Image Sensor	1"CMOS
	Shutter	Rolling/GlobalResetRealease
	Resolution	5472 × 3648
	Frame Rate	22 fps
	Bit Depth	12
	Mono/Color	Color
	Pixel Size	2.4 μm × 2.4 μm
Image	Pixel	20.0 MP
	S/N Ratio	41.5 dB
	Dynamic Range	61.5 dB
	Image Format	BayerRG8/BayerRG10/BayerRG12
	ROI	Support
	X Flip	Support
	Y Flip	Support
	Gain	1 ~ 22.4X
	Exposure Time	NE:28μs ~ 2.5 sec
	Trigger Mode	Software Trigger/Hardware Trigger/Free Run Mode , Triggering is controlled by FrameGrab
	SPC	Support
Performance	User Setting	Support two sets of user-defined configurations
Port	Port	FAKRA
	Lens Mount	C-mount
Power	Power Supply	PoC
	Power Consumption	12 V≈2.3W
Structure	Product Dimensions	29 mm×29 mm×30 mm (not including lens mount and rear case connector)
	Net Weight	≈75 g
Environment	Storage Temperature	-30℃~+80℃
	Operating Temperature	-30℃~+50℃

Spectrogram

