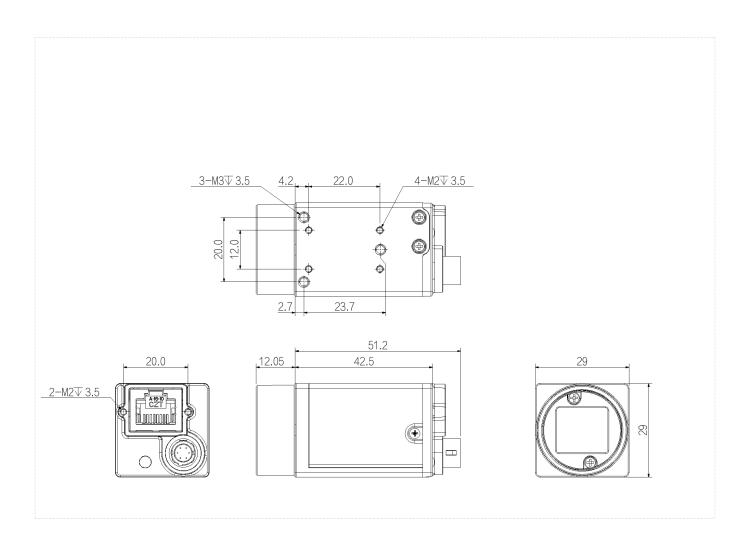
AE Series AE3A20MG010E



Features

- Gigabit Ethernet interface, providing 1Gbps bandwidth with a maximum transmission distance of 100m;
- 256MB 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.;
- Support multiple image data formats output/ROI/Binning/Mirror, etc.;
- Conform to GigE Vision V2.0 protocol and GenICam standard;
- Conform to CE, RoHS;

Dimensions (mm)





Specification

	Model	AE3A20MG010E
	Sensor	IMX226
	Image Sensor	1/1.7"CMOS
	Shutter	Rolling
D	Resolution	4000 × 3000
Basic	Frame Rate	10 fps
	Bit Depth	12
	Mono/Color	Mono
	Pixel Size	1.85 μm × 1.85 μm
	Pixel	12.0 MP
	S/N Ratio	38 dB
	Dynamic Range	60 dB
	Image Format	Mono8/10/10Packed/Mono12/Mono12Packed;
	Binning	Support
	ROI	Support
Image	X Flip	Support
	Y Flip	Support
	Gain	1~32
	Gamma	From 0 to 4, support LUT
	Exposure Time	16 μs ~ 1 s
	Trigger Mode	Software Trigger/Hardware Trigger/Free Run Mode
	SPC	Support
Performance	User Setting	Support two sets of user-defined configurations
renomiance	Image Buffer	256MB
	Port	GigE, PoE
Port	GPIO Interface	1× 6 pin Hirose: 1× Opto-isolated input, 1× Opto-isolated output, 1 configurable input and output
	Lens Mount	C-mount
Power	Power Supply	PoE/ DC 9V~24V power supply via Hirose interface
FOWEI	Power Consumption	12 V≈3.1 W
Structure	Product Dimensions	29 mm × 29 mm × 42 mm (not including lens mount and rear case connector)
Structure	Net Weight	88 g
Environment	Storage Temperature	-30°C ~ +80°C
Environment	Operating Temperature	0°C ~ +50°C



Connector Pin-out

Pin	Description	Features	Definition of 6-pin power port
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)	

Spectrogram

