

AE Series

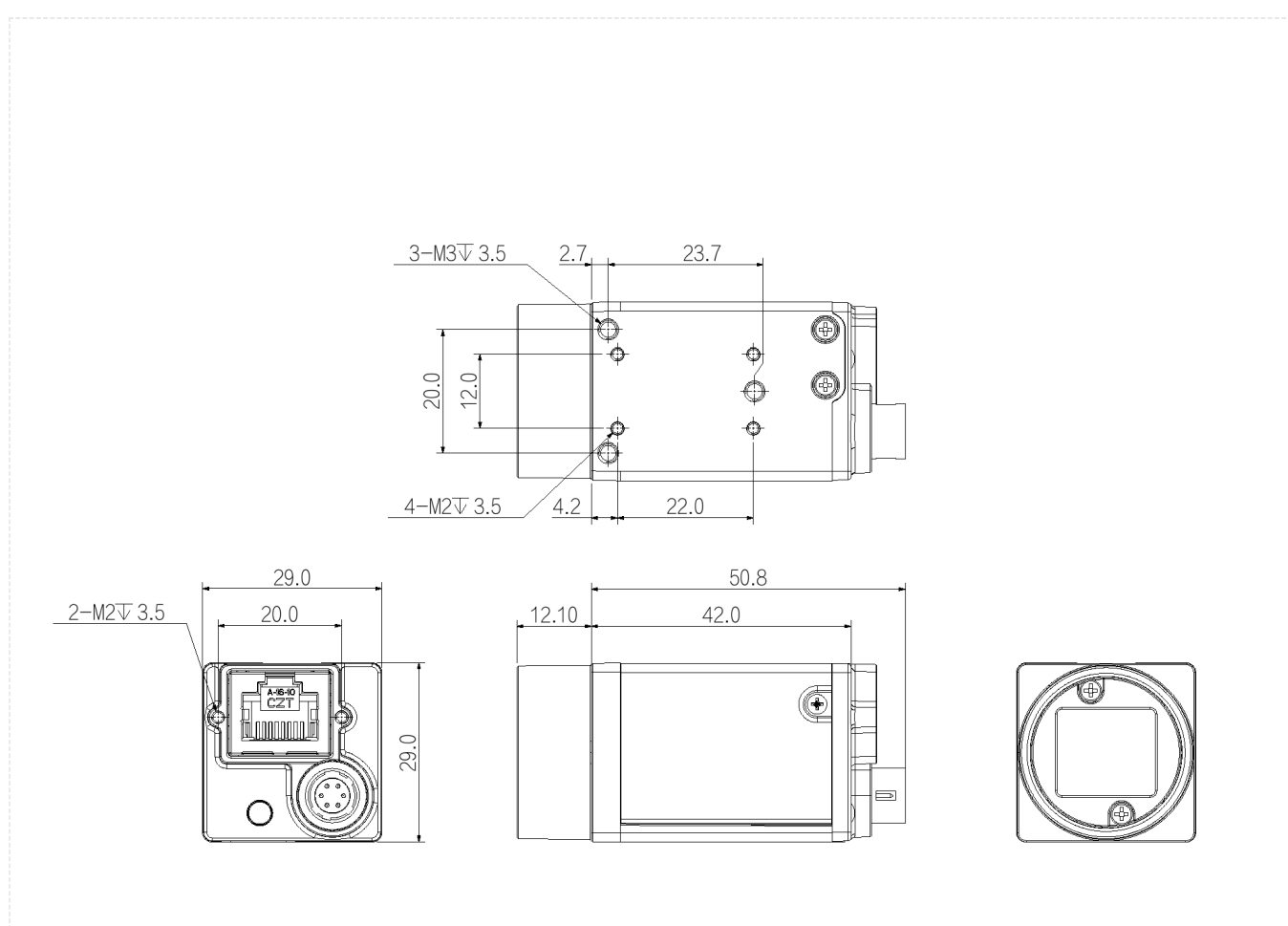
AE7500MG000



Features

- 千兆以太网接口，提供1Gbps带宽，最大传输距离可到100m；
- 128MB 板上缓存用于突发模式下数据传输或图像重传。
- 支持软件触发/硬件触发/自由运行等多种模式。
- 支持伽马校正,查找表,黑电平校正,亮度，对比度等ISP 功能。
- 支持多种图像数据格式输出,ROI,Binning,镜像，AutoFunction等。
- 符合GigE Vision V2.0协议和GenICam标准
- 符合CE,RoHS认证

Dimensions (mm)



 Specification

Model		AE7500MG000
Basic	Sensor	IMX264
	Image Sensor	2/3"CMOS
	Shutter	Global
	Resolution	2448 × 2048
	Frame Rate	24 fps
	Bit Depth	12
	Mono/Color	Mono
	Pixel Size	3.45 μm × 3.45 μm
Image	Pixel	5.0 MP
	S/N Ratio	40 dB
	Dynamic Range	73 dB
	Image Format	Mono8/10/10Packed/Mono12/Mono12Packed
	Binning	off/onebytwo/twobyone/twobytwo/onebyfour/fourbyone/twobyfour/fourbytwo/fourbyfour/ThreebyThree/onebySix/SixbyOne/SixbySix
	ROI	Support
	X Flip	Support
	Y Flip	Support
	Gain	1 ~ 32X
	Gamma	From 0 to 3.99998, support LUT
	Exposure Time	1 μs ~ 10 s
	Trigger Mode	Software Trigger/Hardware Trigger/Free Run Mode
	SPC	Support
Performance	User Setting	Support three sets of user-defined configurations
	Image Buffer	128MB
Port	Port	GigE, PoE
	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
	Power Consumption	12 V≈2.8W
Structure	Product Dimensions	29 mm×29 mm×42 mm (not including lens mount and rear case connector)
	Net Weight	98 g
Environment	Storage Temperature	-30°C~+80°C
	Operating Temperature	0°C~+50°C

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

