

5000 series

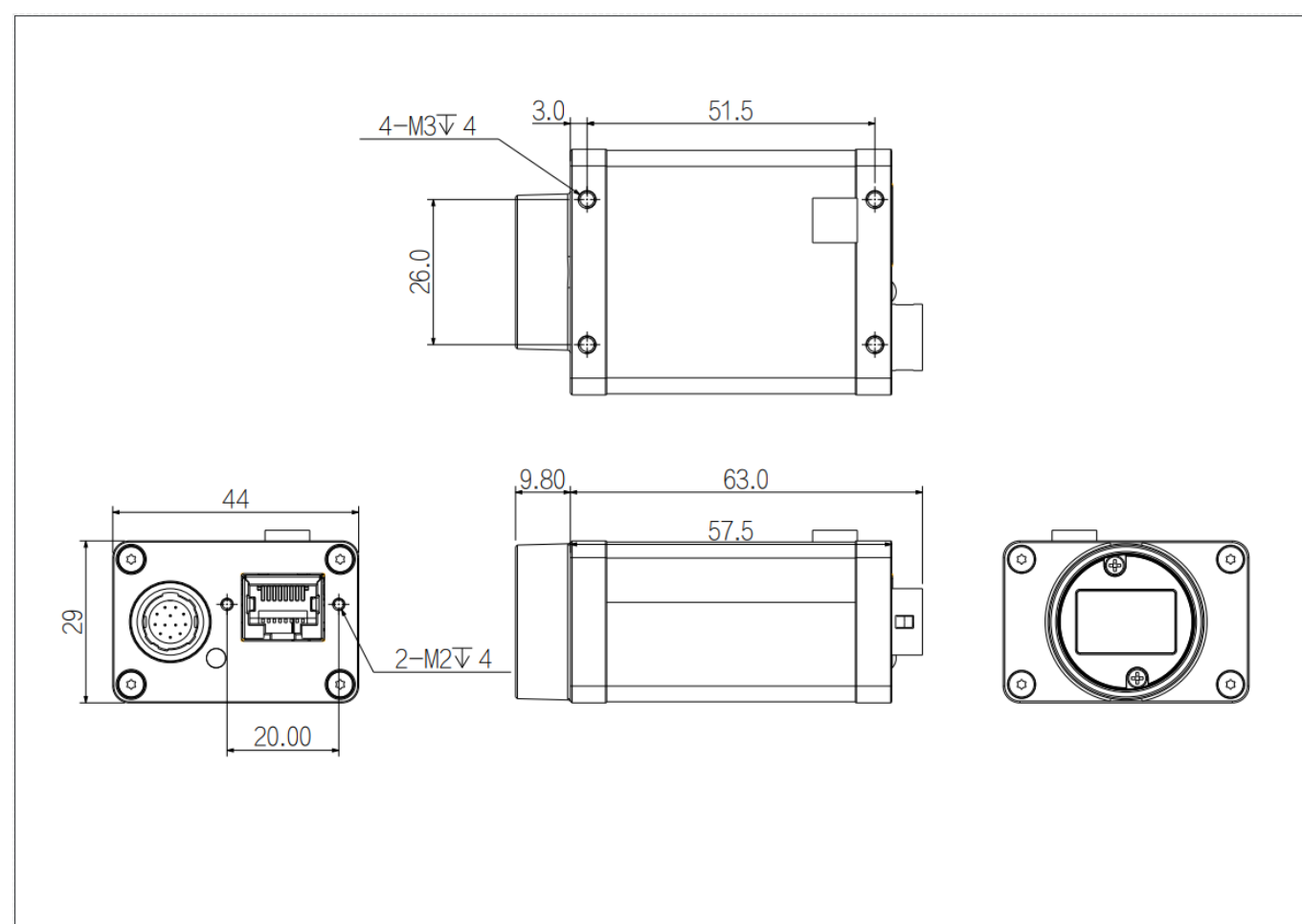
L5047MG100E



Features

- The resolution is 4K, the pixel size is $3.5\mu\text{m}$, and the maximum line frequency can reach 29K;
- High dynamic range, good signal-to-noise ratio, and excellent image quality;
- Support a variety of image data format output;
- Support 2TDI;
- Support multiple ROI, FPN correction;
- Support Gamma, LUT, automatic black level and other ISP functions;
- Support software trigger/hardware trigger/free run and other trigger modes;
- Compatible with GigE Vision V2.0 protocol and GenICam standard;
- Support DC12-24V wide voltage power supply;

Dimensions (mm)



Specification

Model		L5047MG100E
Basic	Sensor	4K
	Image Sensor	CMOS
	Shutter	Global
	Resolution	4096 × 2
	Line Rate	29 kHz(After compression the line frequency is 58k)
	Bit Depth	12
	Mono/Color	Mono
	Pixel Size	3.5 μm × 3.5 μm
Image	Pixel	4096 × 2
	S/N Ratio	39.6 db
	Dynamic Range	65.5 db
	Image Format	Mono8/10/12/10P/12P
	Binning	Support
	ROI	Support
	X Flip	Support
	Gain	1~32
	Gamma	From 0 to 4 , support LUT
	Exposure Time	8 μS~100 mS
	Trigger Mode	Software Trigger/Hardware Trigger/Free Run Mode
	FPN	Support
Performance	User Setting	Support two sets of user-defined configurations
	Image Buffer	64MB Image Cache , 64M Data Cache
Port	Port	GigE
	GPIO Interface	12-pin Hirose interface for external power supply and external triggering; 2 differential/single-ended inputs, 1 differential configurable input or output, 1 high-speed optocoupler single-ended input, 1 GPIO configurable input or output
	Lens Mount	C-Mount
Power	Power Supply	DC12-24V power supply
	Power Consumption	4.2 W
Structure	Product Dimensions	29 mm × 44 mm × 57.5 mm (Not including rear case connector)
	Net Weight	100 g
Environment	Storage Temperature	- 30℃~+80℃
	Operating Temperature	- 30℃~+50℃

Spectrogram

