

5000 series

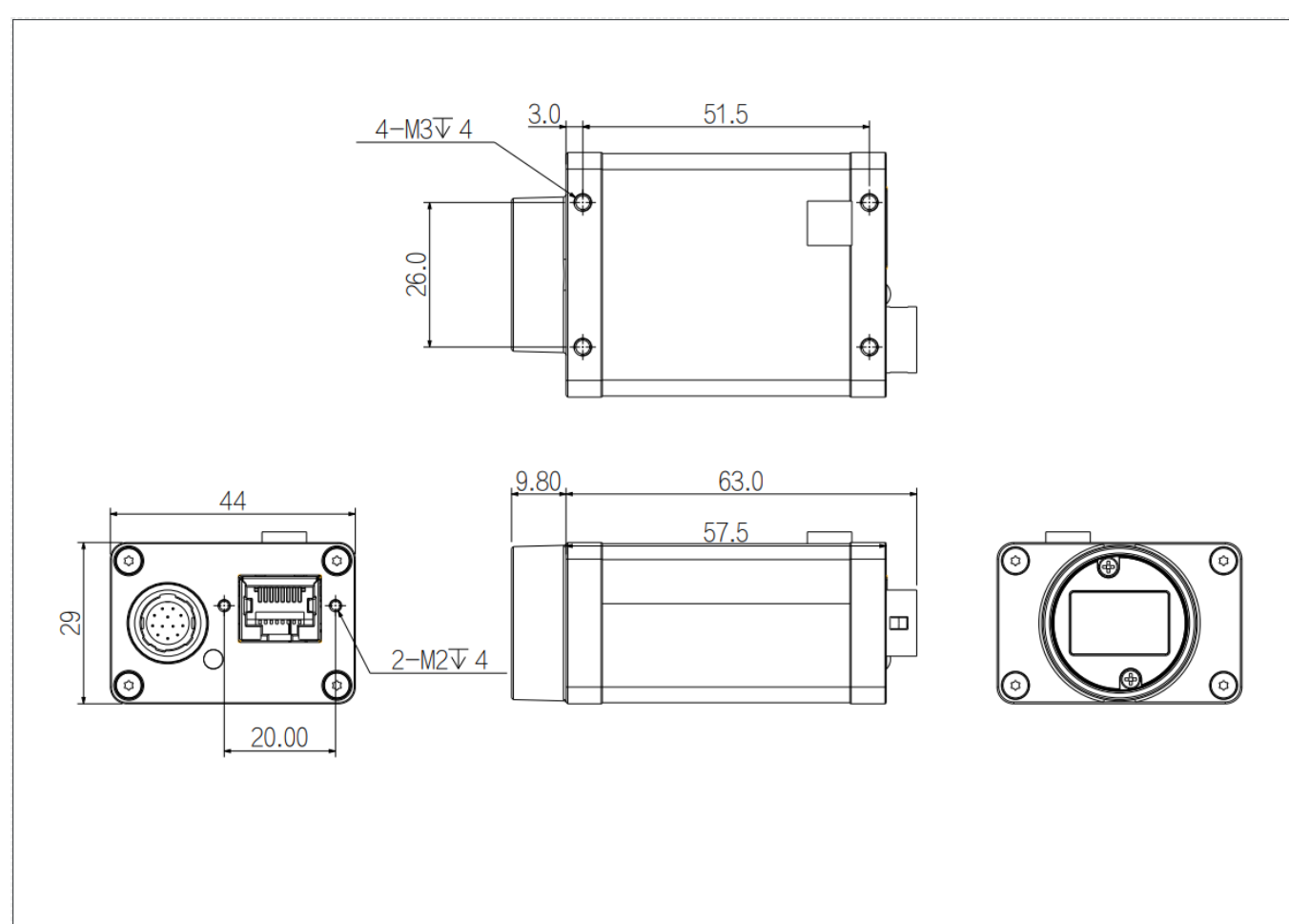
L5027CG300E



Features

- The resolution is 2K, the pixel size is 7μm, and the maximum line frequency can reach 44.7K;
- High dynamic range, good signal-to-noise ratio, and excellent image quality;
- Support a variety of image data format output;
- Support multiple ROI, FPN correction;
- Support Gamma, LUT, CCM, automatic black level, Automatic white balance 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		L5027CG300E
Basic	Sensor	2 K
	Image Sensor	Gpixel
	Shutter	Global
	Resolution	2048 × 3
	Line Rate	44.7 kHz
	Bit Depth	12
	Mono/Color	Color
	Pixel Size	7 μm × 7 μm
Image	Pixel	2048 × 3
	S/N Ratio	39.6 db
	Dynamic Range	65.5 db
	Image Format	Mono8/BayerRG8/10/12/10P/12P/RGB8P/YUV422
	Binning	Support
	ROI	Support
	X Flip	Support
	Gain	1~32
	White Balance	Support
	Gamma	From 0 to 4 , support LUT
	Exposure Time	8μS~100mS
	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	4.6W
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	0℃~+50℃

Spectrogram

