5000 series

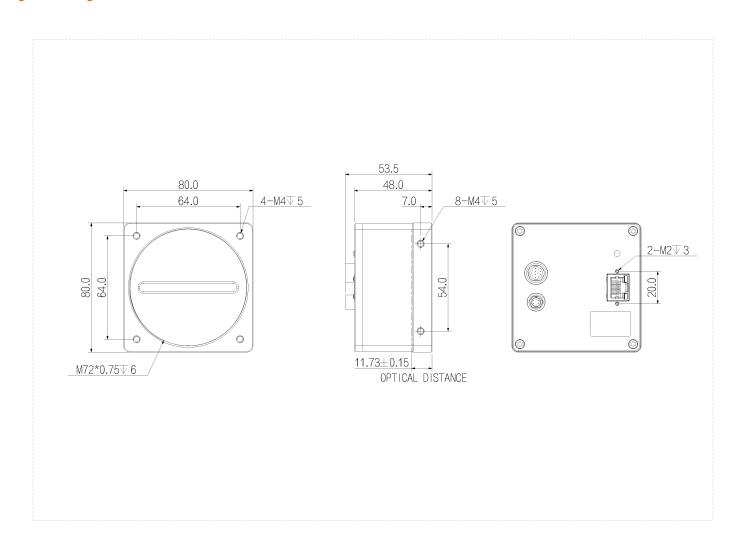
L5082MG170E



Features

- Support brightness enhancement, gamma correction, LUT and other ISP functions;
- Support PRNU correction in target bright field;
- Support various image formats of output data;
- Support DC12~24V wide-range power supply;
- Conform to CE, UL, RoHS certifications;

Dimensions (mm)





Specification

Model		L5082MG170E
	Sensor	8 K
	Image Sensor	CMOS
	Shutter	Global
Basic	Resolution	8192 × 1
	Line Rate	13 kHz(After compression the line frequency is 58k)
	Bit Depth	12
	Mono/Color	Mono
	Pixel Size	7 μm × 7 μm
	S/N Ratio	46dB
	Dynamic Range	65.9 dB
	Sensitivity	77
	Image Format	Mono8/10/12/10Packed/12Packed
	ROI	Support
Image	X Flip	Support
	Gain	1~32
	Gamma	From 0 to 4, support LUT
	Exposure Time	2 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	512MB data cache
	Port	GigE
Port	GPIO Interface	2 differential/single-end input, 2 differential/single-end output, 1 differential/single-end configurable input/output and 1 GPIO.
	Lens Mount	M72 x 0.75
Power	Power Supply	DC 12~24V power supply via 6-pin Hirose connector
	Power Consumption	12 V ≈ 4.5 W
Structure	Product Dimensions	80mm×80mm×48mm(Not including rear case connector)
	Net Weight	390 g
Environment	Storage Temperature	-30°C~+80°C
Environment	Operating Temperature	0°C~+50°C

Connector Pin-out

1	line1_i	n-	RS422 input -	
2	line1_i	n+	RS422 input +/single-ended input	Dout definitions of 12 min signals
3	line3_i	e3_inout- RS422 input and output -		Port definitions of 12-pin signals
4	line3_i	nout+ RS422 input and output +/single-ended input and output		
5	signal ground		Signal GND	
6	Line5_out-		RS422 output -	
7	Line5_out+		RS422 output +/single-ended output	((000))
8	Line2_	in-	RS422 input -	09993
9	Line2_in+		RS422 input +/single-ended input Single-ended input/output	
10	Line4_	GPIO	Single-ended input/output	
11	Line6_out-		RS422 output -	
12	2 Line6_out+ RS4:		RS422 output +/single-ended output	
Defin	ition of 6-p	in power po	ort:	Definition of 6 min never next
Pin	Signal Features			Definition of 6-pin power port
1	Power	ver +12 VDC to +24 VDC power supply of the camera		
2	rowei	+12 VD	to +24 vbc power supply of the carriera	
3		Not connected		
' +				
5	GND	DC now	er GND	\\\@@\\/
5	0.10	GND DC power GND		

Spectrogram

