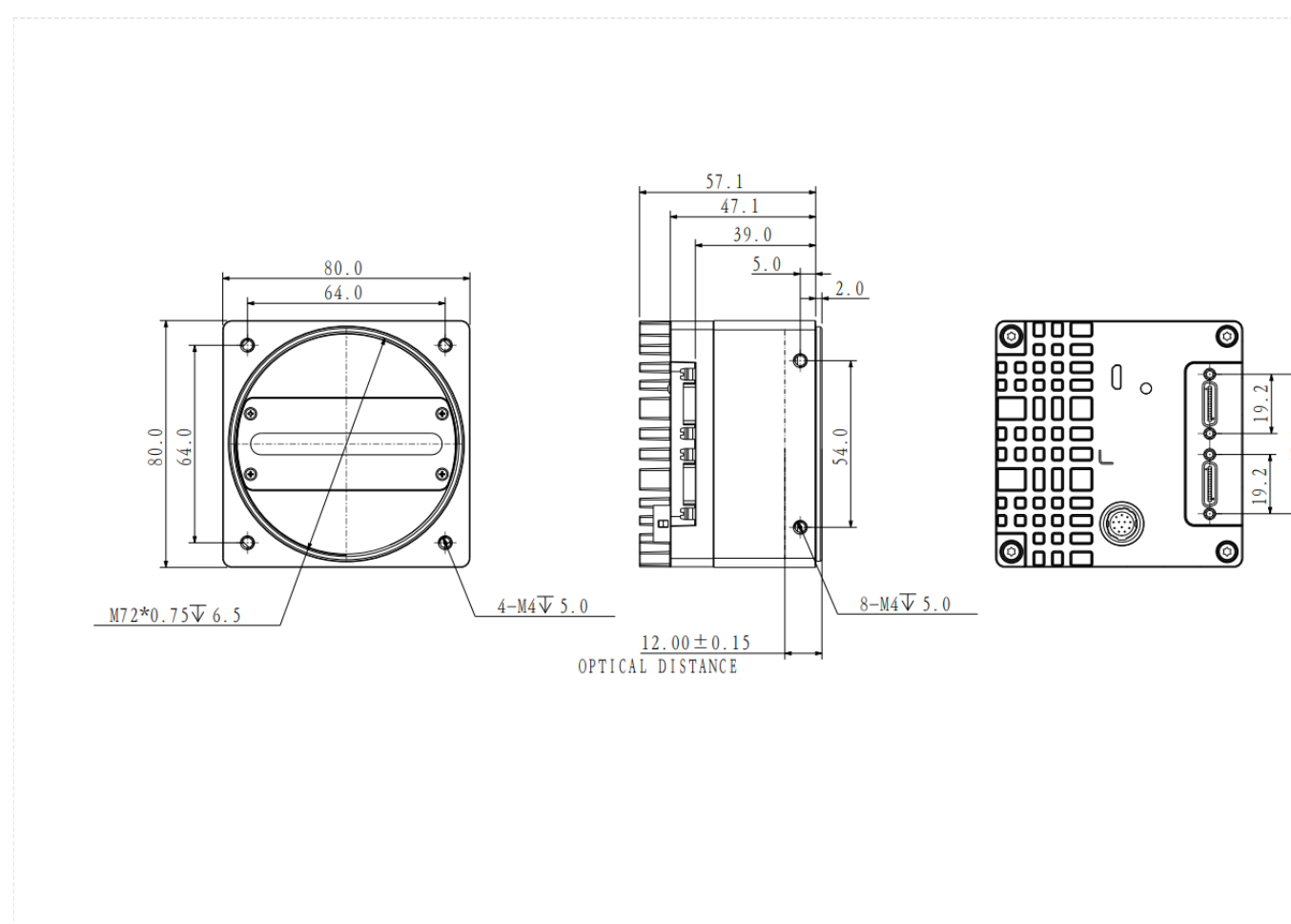# 5000 series

L5087MK471E

Features

- CameraLink supports Full, Medium, Base and Deca mode with maximum 6.8Gbps bandwidth;
- Supports external trigger, free run mode and multiple modes;
- Supports Gamma correction, LUT and other ISP functions;
- Applies DC 24V power supply;
- Compatible with Cameralink protocol and GenICam standard;
- Comply with CE, FCC certifications;
- Supportsfourline,TDI mode .

Dimensions (mm)

⟋ Specification

Model		L5087MK471E
Basic	Sensor	8K
	Image Sensor	CMOS
	Shutter	Global
	Resolution	8192×4
	Line Rate	100K
	Bit Depth	12
	Mono/Color	Mono
	Pixel Size	7 μm × 7 μm
Image	Pixel	8192×4
	S/N Ratio	40dB
	Dynamic Range	63.3dB
	Image Format	Mono8/10
	Binning	Support
	ROI	Support
	X Flip	Support
	Gain	1~32
	Gamma	From 0 to 4 , support LUT
	Exposure Time	4μS~100mS
	Trigger Mode	Software Trigger/Hardware Trigger/Free Run Mode
	FPN	Support
	TDI Stages	singleLine;fourLine;two_tdi
Performance	User Setting	Support two sets of user-defined configurations
	Pixel Clock	51/67/75/85MHz
Port	Port	CameraLink
	GPIO Interface	4 differential input, output, and 1 GPIO input, output
	Lens Mount	M72
Power	Power Supply	DC 12~24V power supply via 12-pin Hirose connector
	Power Consumption	8.5W
Structure	Product Dimensions	80mm×64mm×47.1mm (Not including rear case connector)
	Net Weight	520 g
Environment	Storage Temperature	-30℃~+80℃
	Operating Temperature	-30℃~+50℃

Connector Pin-out

Color	Pin	Signal	Input/output	Specifications	
				Differential mode	Single-ended mode
⬛	1	GND	-	Power GND	
🟥	2	VIN	-	Camera Power Supply	
🟦	3	LINE1+	Input/output	Configurable Input/output	Configurable Input/output
🟩	4	LINE1-	Input/output	Configurable Input/output	Suspended (not connected)
⬜	5	GND	-	Signal GND	
⬜	6	LINE2+	Input/output	Configurable Input/output	Configurable Input/output
🟫	7	LINE2-	Input/output	Configurable Input/output	Suspended (not connected)
🟧	8	GPIO	Input/output	non-isolated configurable I/O	
🟦	9	LINE3+	Input/output	Configurable Input/output	Configurable Input/output
🟩	10	LINE3-	Input/output	Configurable Input/output	Suspended (not connected)
🟪	11	LINE4+	Input/output	Configurable Input/output	Configurable Input/output
🟨	12	LINE4-	Input/output	Configurable Input/output	Suspended (not connected)
	Shell	Shield GND	Shell	Connected to the encoder shield	

Spectrogram