SGigE-L081-N1XMM

8K GIGE CAMERA

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GENERAL DESCRIPTION

The camera module adopts the North-South Micro CMOS P7088SL image sensor, which features industrial-grade performance and is equipped with an M interface, enabling the connection of various lenses.



KEY PARAMETERS

Sensor	8K P7088SL Mono
Image Size	3.6 inch CMOS
Shutter Mode	Global shutter
Output Pixels	8192H*1V
Pixel Size	7um*7um
Sudden/continuous line frequency	120KHz
Output Data	8bit
Region of Interest Mode	ROI
Camera Interface	10 Giga Ethernet
Transmission Rate	10000Mbit/s
Gain	x1~x64
Shutter Time	6~10000000us
Trigger Mode	External trigger
Lens Mount	M72*0.75
Power Supply	9V~24V
Operating temp. range	0℃~+50℃
Storage temp. range	-20℃~80℃
Dimensions	W: 78mm, L:78mm, H:65mm
Weight	<55g

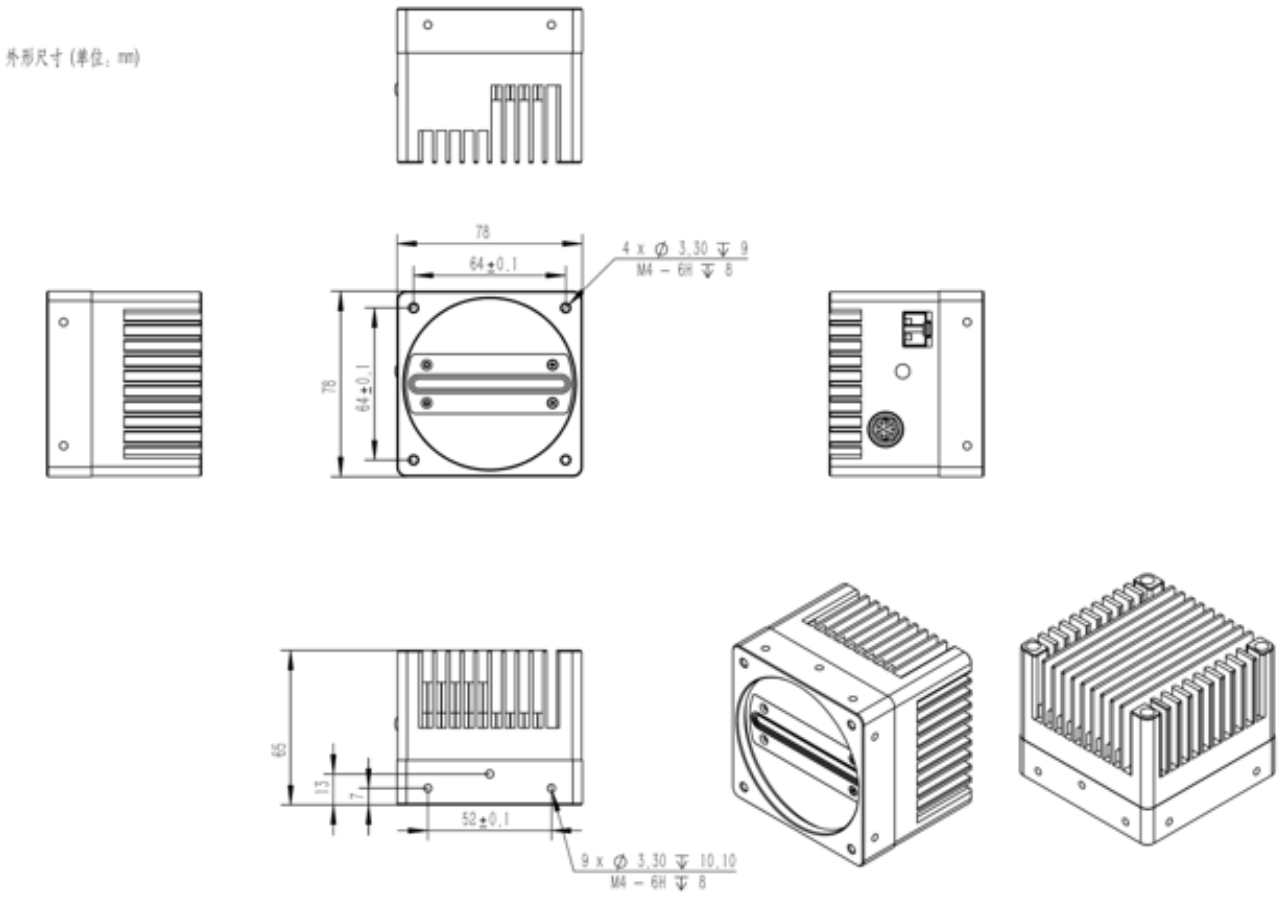
Features

- High-speed output, maximum 1250MB/s
- High sensitivity
- Wide dynamic range, low noise
- High stability
- Supports LABVIEW and HALCON visual development software
- External trigger/SOFTWARE trigger
- Maximum cable length supported is 100m (can be infinitely extended on the broadcasting equipment)
- Can use standard NIC card
- Can use via Ethernet cable

Application

- Printed matter inspection
- Food processing inspection
- Fluid monitoring
- Wood and metal product inspection

DIMENSIONS



Note:

This icon indicates the imaging direction is positive.

ACCESSORIES

Accessory List			
Serial Number	Product Model	Quantity	Remarks
1	RJ45 - 5-meter Ordinary Sun Cable	1	Standard configuration
2	DC12V - 1A Power Adapter	1	Standard configuration
3	12-core M8 3M Camera Trigger Cable	1	Standard configuration



Revision History

Version	Description	Release date
Rev1	First Release	Oct.2025

Contact Us

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