SGigE-L041-N1XMC

4K GigE CAMERA

www.sensing-world.com

GENERAL DESCRIPTION

The camera module adopts the North-South Micro CMOS P7028SL image sensor, which features industrial-grade performance and is equipped with an C-mount interface, enabling the connection of various lenses.



KEY PARAMETERS

Sensor	4K P7028SL Mono
Image Size	1 inch CMOS
Shutter Mode	Global shutter
Output Pixels	4096H*1V
Pixel Size	3.5um*3.5um
Sudden/continuous line frequency	64KHZ/29KHZ
Output data	8bit
Region of Interest Mode	ROI
Camera Interface	Giga Ethernet
Transmission Rate	1000Mbit/s
Gain	x1~x64
Shutter Time	3~10000000us
Trigger Mode	Software trigger, External trigger
Lens mount	C-Mount
Power Supply	9V~24V
Operating temp. range	0℃~+50℃
Storage temp. range	-20℃~80℃
Dimensions	W: 30mm, L:40mm, H:56.5mm
Weight	<55g

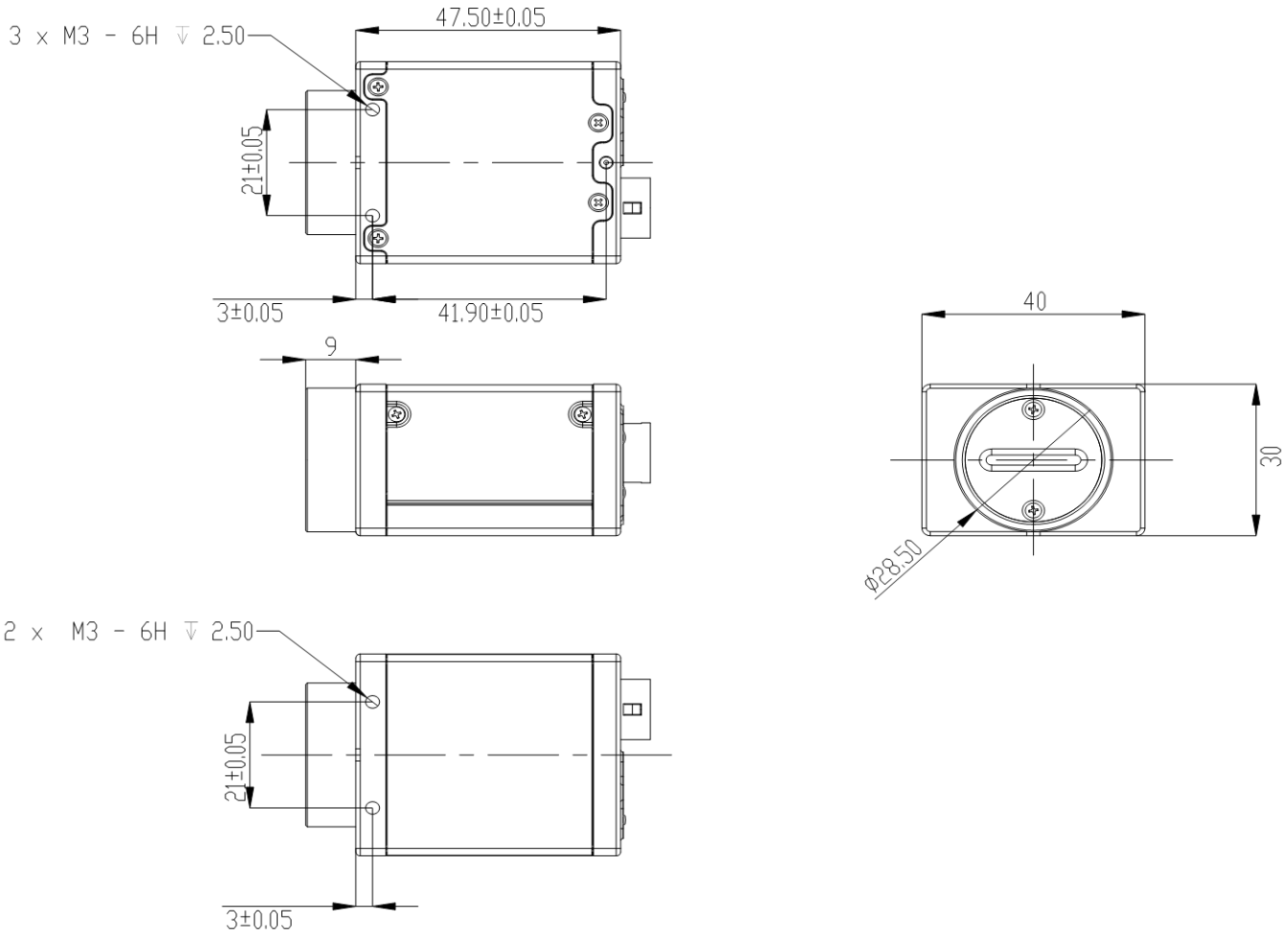
Features

- High-speed output, maximum 120MB/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

SZ Sensing TECH CO.,LTD

HQ Address: 9/F,Gate 4,building 3,Specialized special new industrial park, No.16 Baolong 3rd Road， Baolong Street, Longgang District, Shenzhen

Phone: +86-755-28990915

Email： Sales@sensing-world.com

Company Website: www.sensing-world.com

WECHAT SKYPE WhatsApp