SG3S-ISX031C-G2F-HSBKIT

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KEY FEATURES

- Support Nvidia Holoscan Platform
- Output Pixel： 1920*1536
- Support different focal length lens
- Output format: YUV422 format
- Allow customization

Application

- IOT
- Robots
- Medical

Parts list			
Serial number	Product model	quantity	remark
1	SG3S-ISX031C-GMSL2F-Hxxx	1	up to 2 cameras at most
2	T4JC-JC-ZZZZ-0500A	1	/
3	SG2A-HOLOSCAN-G2Y-A1	1	/
4	Holoscan Kit	1	/
5	holoscan壳体盖板	1	/
6	M2.5*5	4	/
7	万兆以太网口转RJ45模块	2	/
8	RJ45网线_0.5m	2	/

SG3S-ISX031C-GMSL2F-Hxxx

KEY PARAMETERS

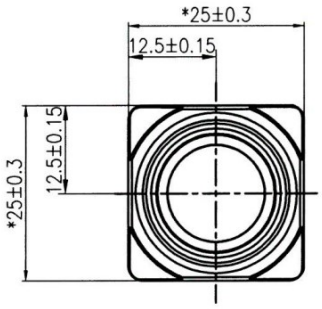
Sensor	SONY 2.95MP ISX031 RGGB
ISP	Built-in
Image Size	1/2.42 inch CMOS
Output Pixels	1920H*1536V
Pixel Size	3.0um*3.0um
Frame Rate	1920*1536@30fps
HDR Support	Yes
LFM	Yes
Output data	YUV422@8bit
Serializer	MAXIM MAX96717F
Camera Interface	GMSL2
Power Supply	9~16V POC
Current	<200mA@12VDC
Connector	Amphenol Fakra（Z Code）
Operating temp. range	-40~+85℃
Dimensions	W: 25mm, L:25mm, H:18.6mm
Weight	<50g



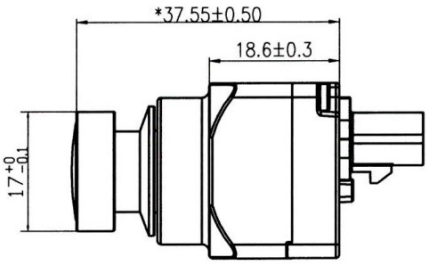
MODEL AND LENS

Model	HFOV	VFOV	F.No	EFL	Max Optical Distortion	Water-proof	Lens Mount
SG3S-ISX031C-GMSL2F-H30X	30°	24°	1.6	10.96mm	-2.5%	IP67	M12
SG3S-ISX031C-GMSL2F-H60FA	60°	46°	1.6	5.8mm	-21%	IP67	AA
SG3S-ISX031C-GMSL2F-H100F1A	100°	78°	1.6	3.55mm	-58%	IP67	AA
SG3S-ISX031C-GMSL2F-H120UA	118°	92°	2	3mm	-92%	IP67	AA
SG3S-ISX031C-GMSL2F-H190XA	196°	154°	2.0	1.51mm	-155%	IP67	AA

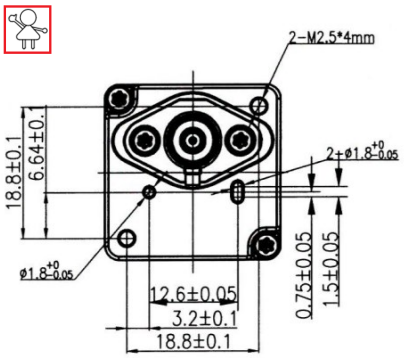
DIMENSIONS



Front View



Side View



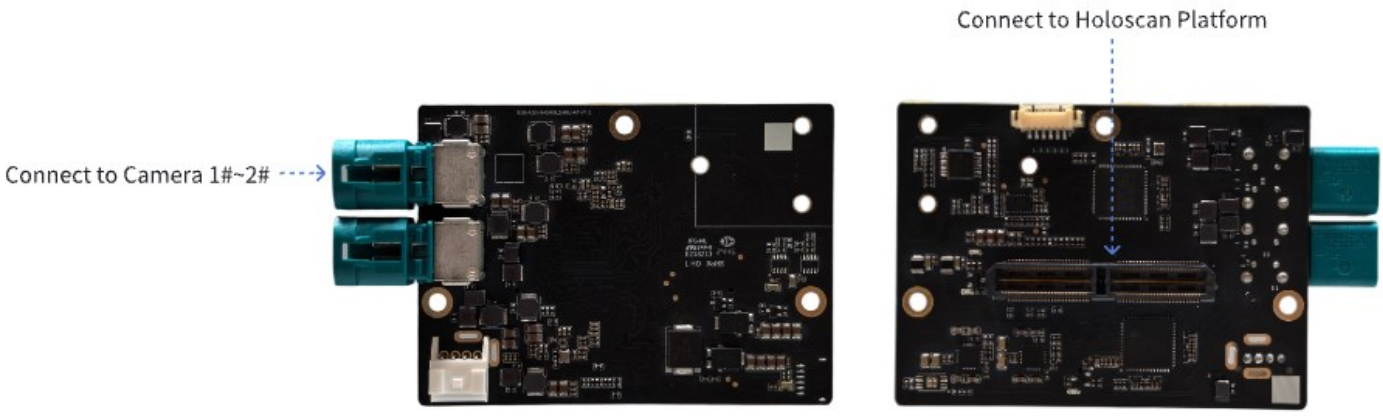
Rear View

Note:

The height of this module varies when matching different lenses. Please refer to 3D digital analog size for details.

This icon indicates the imaging direction is positive.

SG2A-HOLOSCAN-G2Y-A1



HOLOSCAN-KIT



T4JC-JC-ZZZZ-0500A

KEY PARAMETERS

Connector	4 in 1 Mini fakra（Z Code/female） Amphenol Fakra（Z Code/female ）
Length	0.5m
CABLE	RG174L
Operating temp. range	-45℃~85℃

Revision History

Version	Description	Release date
Rev1	First Release	Jun.2025

Contact Us

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