SG8-IMX678C-G2A-HSBKIT

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KEY FEATURES

- Support Nvidia Holoscan Platform
- Output Pixel：3840*2160
- Support different focal length lens
- Output format: RAW format
- Allow customization

Application

- IOT
- Robots
- Medical

Parts list			
Serial number	Product model	quantity	remark
1	SG8-IMX678C-G2A-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	/

SG8-IMX678C-G2A-Hxxx

KEY PARAMETERS

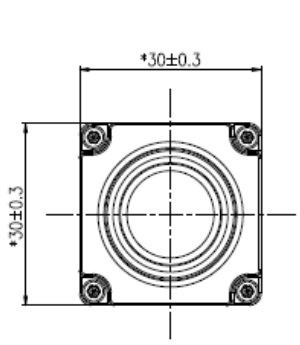
Sensor	SONY 8.29 MP IMX678 RGGB
ISP	/
Image Size	1/1.8 inch CMOS
Output Pixels	3840H*2160V
Pixel Size	2um*2um
Frame Rate	Max 60fps
HDR Support	Yes
Output data	RAW 12
Serializer	MAXIM MAX9295A
Camera Interface	GMSL2
Power Supply	9~16V POC
Current	<350mA@12VDC
Connector	Amphenol（Z Type Fakra）
Operating temp range	-30~+85℃
Performance temp range	-10~+60℃
Storage temp range	-40~+85℃
Dimensions	W: 30mm, L:30mm, H:22.5mm
Weight	<100g



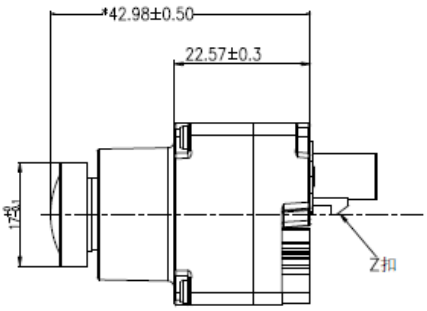
MODEL AND LENS

Model	HFOV	VFOV	F.No	EFL	Max Optical Distortion	Water-proof	Lens Mount
SG8-IMX678C-G2A-H110T	112.2°	61.6°	1.8	4.05mm	-49.1%	IP67	M12

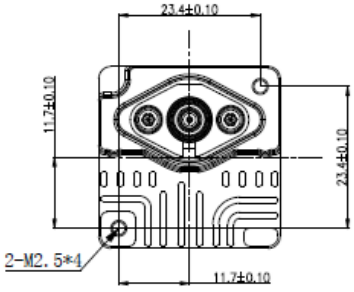
DIMENSIONS



Front View



Side View

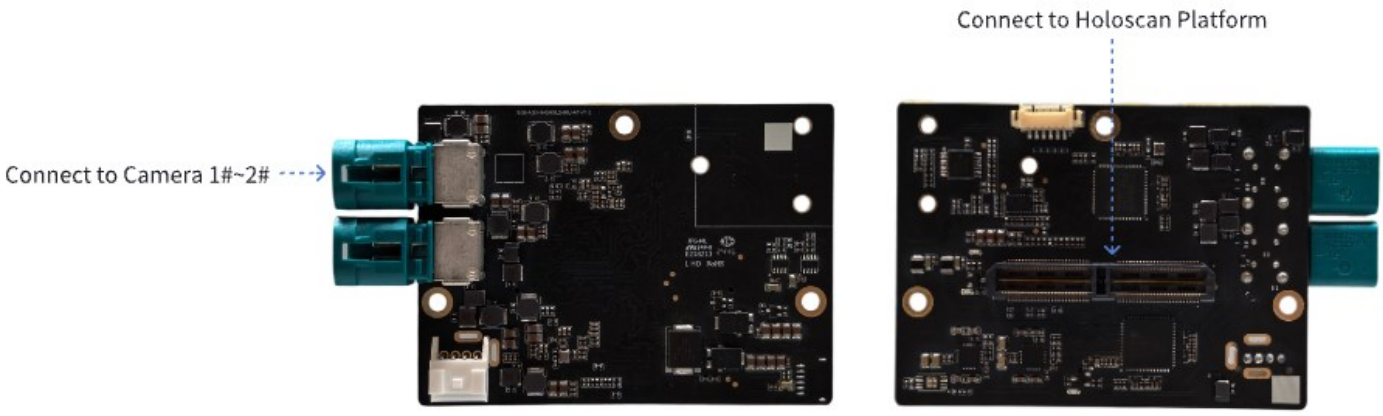


Rear View

Note:

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

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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