



LEOPARD IMAGING INC

LI-IMX324-GMSL2-xxxH

Data Sheet

Key Features

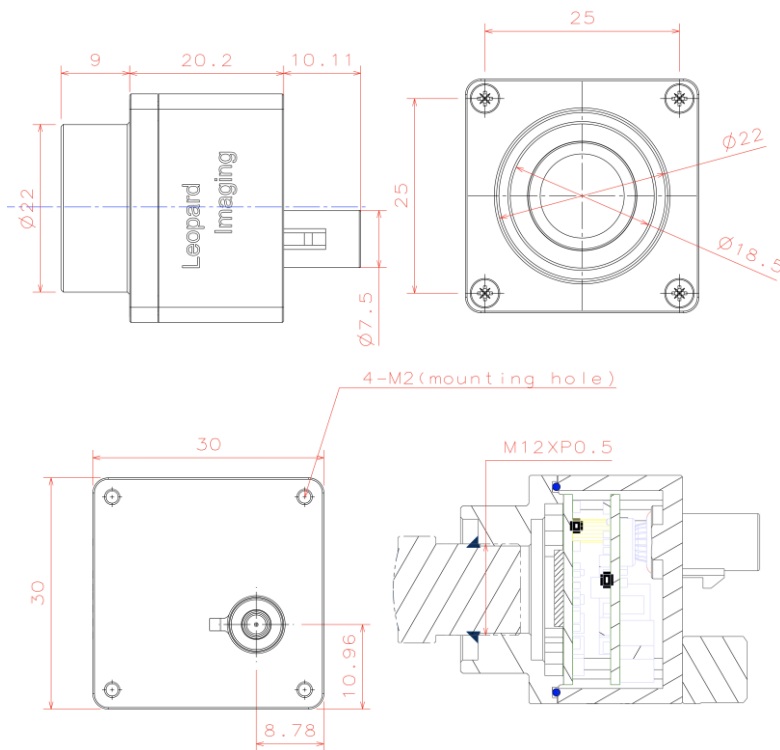
- Sony Diagonal 9.69mm (Type 1/1.7) CMOS Image Sensor IMX324
- Optical format: 1/1.7"
- Number of active pixels: 3849H x 1929V
- Pixel size: 2.25 μm x 2.25 μm
- Output 12 bit Raw data
- 27MHz clock input
- Support 12V Power
- Lens: FOV H 85 / 112 / 190
- GMSL2 Serializer
- Connector: FAKRA Z TYPE
- Water proof: IP67
- Operation Temp: -40 ~ 85 °C
- Storage Temp: -40 ~ 125 °C
- Size: 30 x 30 x 29.2 mm
- Weight: 45 g
- Part#: **LI-IMX324-GMSL2-xxxH**



Application

- Automotive ADAS
- Automotive Rear View or Backup

Dimensions

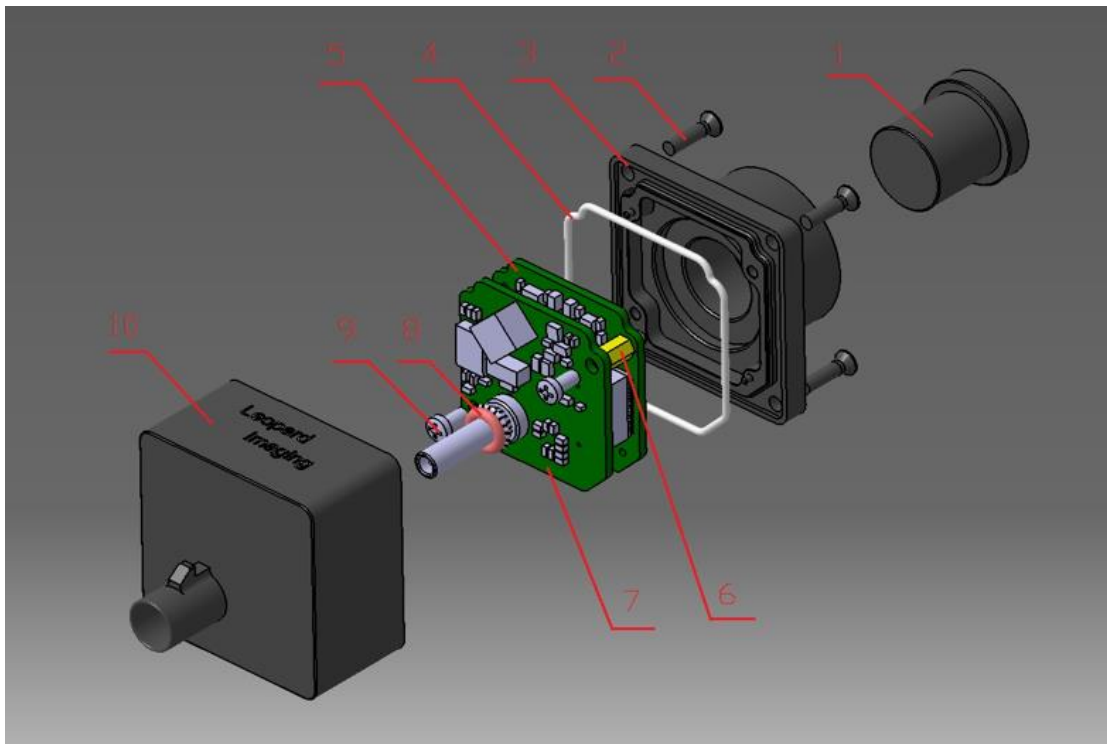


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BOM

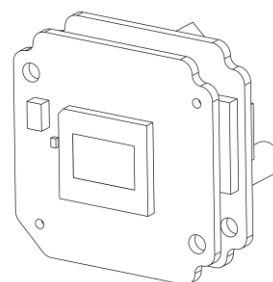
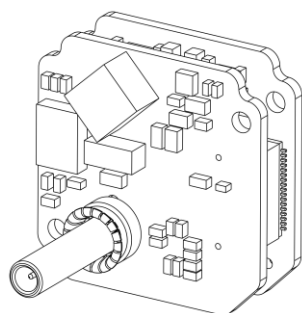
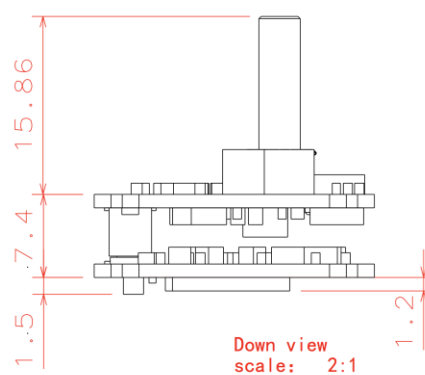
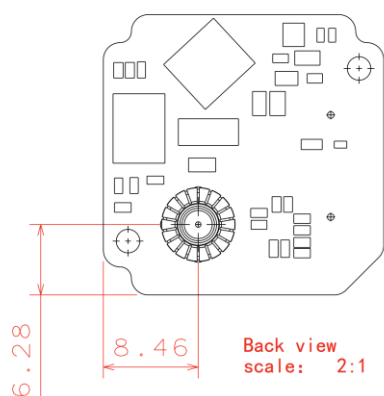
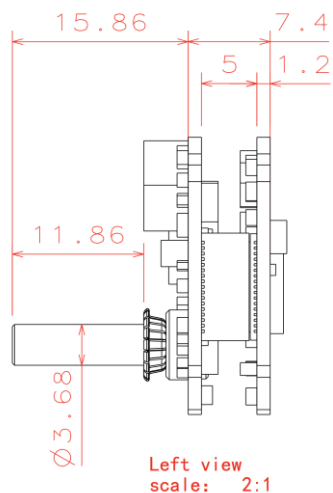
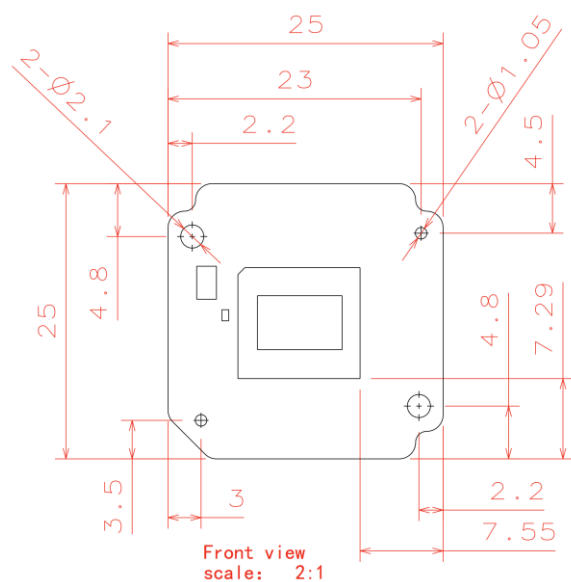
#	Name	SPEC	QTY/SET
1	Lens	M12 lens	1
2	Screw	M2*8 cross flat head black ZINC	4
3	Shell 2	AL6061-T6 BLACK Anodizing	1
4	Sealing ring	Silicon rubber, White	1
5	LI-IMX324-MIPI-FKR	IMX324 sensor board	1
6	Copper pillar	M2*5+3	2
7	LI-GMSL2-FKR	GMSL2 board	1
8	O ring	6.5*1.5 Silicon rubber Red	1
9	Screw	M2*4 cross pan head black ZINC	2
10	Shell 1	AL6061-T6 BLACK Anodizing	1



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Camera boards Dimensions

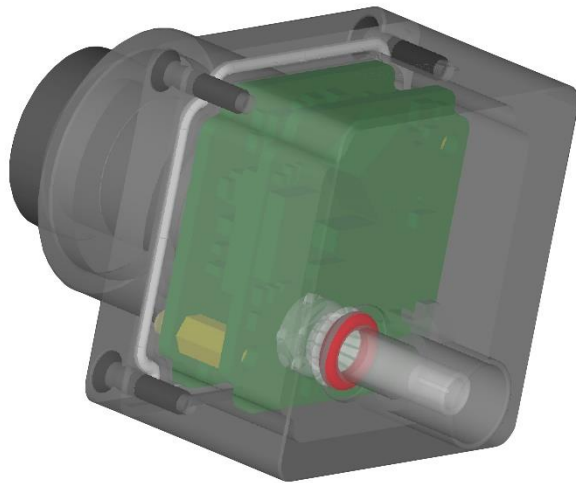


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Water Proof

- Metal Housing
- Water-proof M12 lens
- Sealed Gasket (White)
- Sealed O-ring (Red)



Cable Connector

- Housing Connector- FAKRA Z Type
- Cable length: 3 meters
Support single Coax Cable transmit up to 15 meters
- Cable Part#: FAK-SMZSMZ-0008
- FAKRA type connectors



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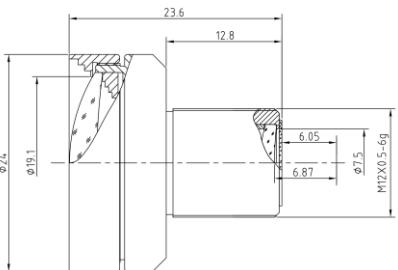
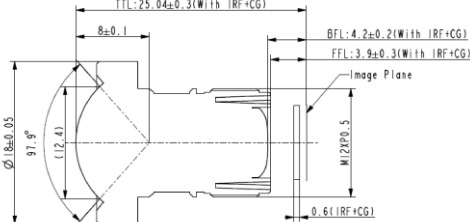
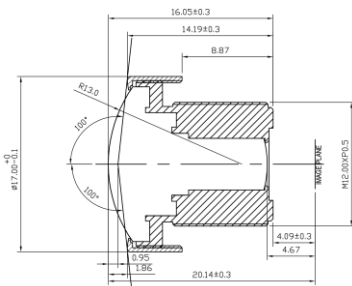
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Ordering Information

Part#: LI-IMX324-GMSL2-xxxH

Note:

xxxH - 085H: FOV H 85°
 112H: FOV H 112°
 190H: FOV H 190°

LI-IMX324-GMSL2-085H	LI-IMX324-GMSL2-112H	LI-IMX324-GMSL2-190H
		
Lens: N118B05518W Lens EFL: 5.5 mm F#: 1.8 FOV(D): 91° FOV(H): 85° FOV(V): 46°	Lens: SYD1201A Lens EFL: 3.7 mm F#: 2.8 FOV(D): TBD FOV(H): 112° FOV(V): TBD	Lens: HK-8176-596 Lens EFL: 1.7 mm F#: 2.5 FOV(D): 190° FOV(H): 190° FOV(V): 180°
		



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LI-USB30-IMX324-GMSL2-xxxH

LI-GMSL2-DESER

LI-USB30-CNTL



Front View



Back View

LI-IMX324-GMSL2-xxxH can connect to USB 3.0 EVA module as a USB 3.0 camera.
Part#: **LI-USB30-IMX324-GMSL2-xxxH**

Key Features

- USB 3.0 Super Speed support
- RAW data output without compression
- UVC compliance
- Provide customization services
- 12VDC Power Supply
- Weight: 86 g
- Single Coax Cable transmit up to 15 meter PoC(Power over Cable)
- Support 3840x1928
- Power consumption: TBD
- Support Windows, Linux OS and other OS which include UVC drivers

SDK Supported

- Camera Tool Source Code in C#
- Capture & Display
- Save file as BMP & RAW format
- Support register access function



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Revision History

Revision	Description	Release Date
1.0	First Release	11. Jan. 2018
1.1	Update lens and FOV	2. Apr. 2018
1.2	Update spec information	18. Jun. 2018



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