



LEOPARD IMAGING INC

LI-OV2312-GMSL2-xxxH

Data Sheet

Key Features

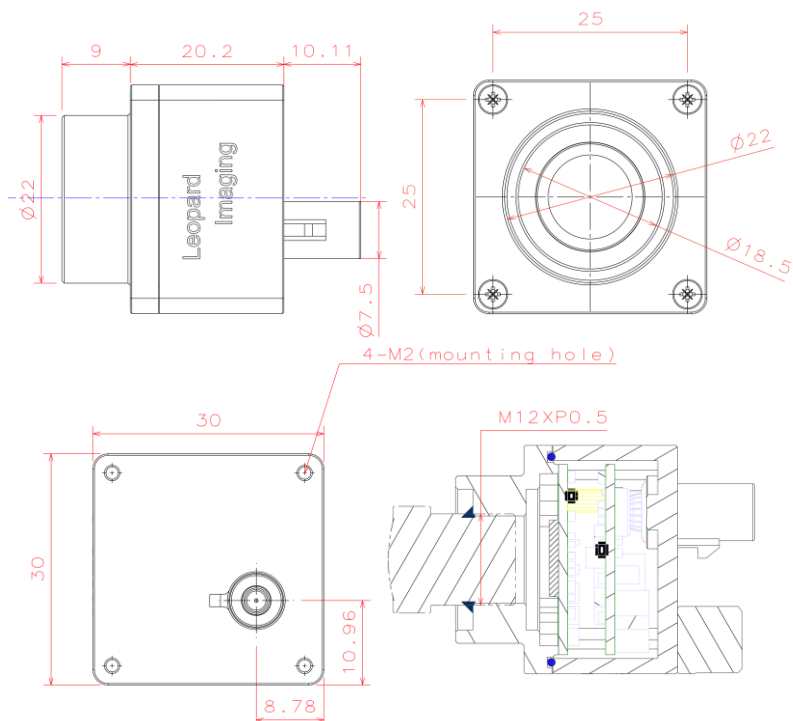
- OmniVision CMOS 2M RGB-IR Image Sensor OV2312
- Optical format: 1/2.9"
- Number of active pixels: 1600H x 1300V
- Pixel size: 3.0 μm x 3.0 μm
- Support Global shutter
- RGB-IR sensor
- Output 10 bit Raw data
- Support 9V – 19V Power
- Lens: HFOV 104°
- GMSL2 Serializer
- Connector: FAKRA Z TYPE
- Water proof: IP67
- Operating Temp: -40 ~ 85 °C
- Storage Temp: -40 ~ 125 °C
- Size: 30 x 30 x 29.2 mm
- Weight: 45 g
- Part#: **LI-OV2312-GMSL2-xxxH**



Application

- In-Cabin Monitoring
- Driver Monitoring System (DMS)
- Video Conferencing

Dimensions

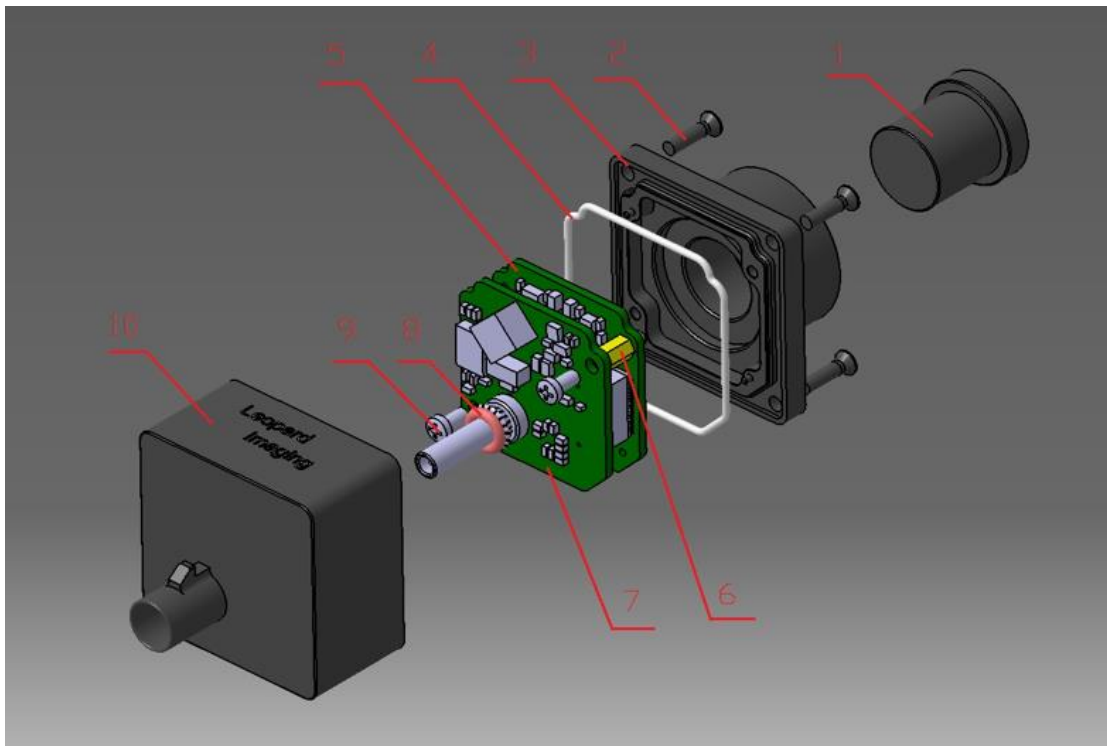


Leopard Imaging Inc.

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BOM

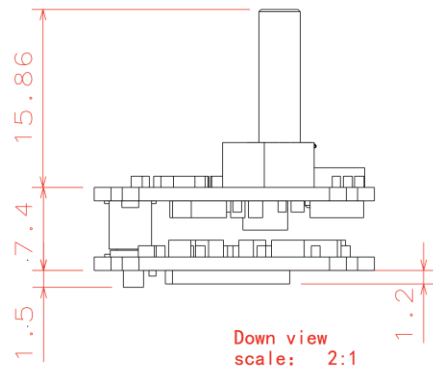
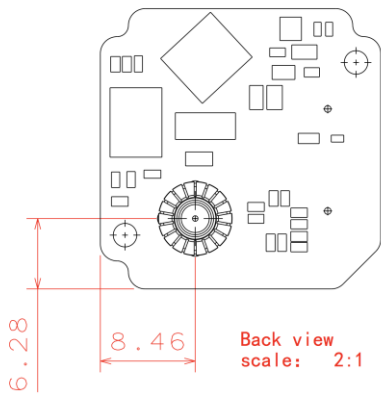
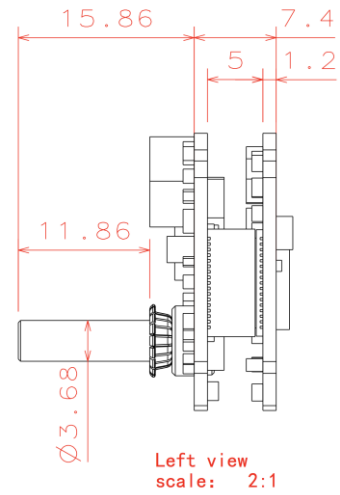
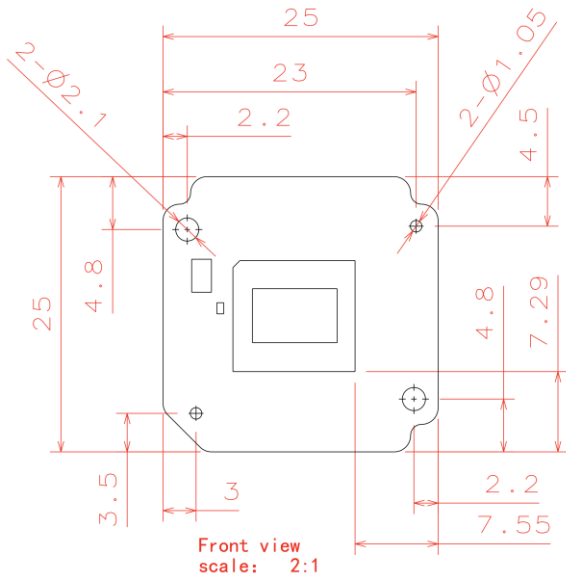
#	Name	SPEC	QTY/SET
1	Lens	M12 lens	1
2	Screw	M2*8 cross flat head black ZINC	4
3	Shell 2	AL6061-T6 BLACK Anodizing	1
4	Sealing ring	Silicon rubber, White	1
5	LI-OV2312-MIPI-FKR	OV2312 sensor board	1
6	Copper pillar	M2*5+3	2
7	LI-GMSL2-FKR	GMSL2 board	1
8	O ring	6.5*1.5 Silicon rubber Red	1
9	Screw	M2*4 cross pan head black ZINC	2
10	Shell 1	AL6061-T6 BLACK Anodizing	1



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Camera boards Dimensions

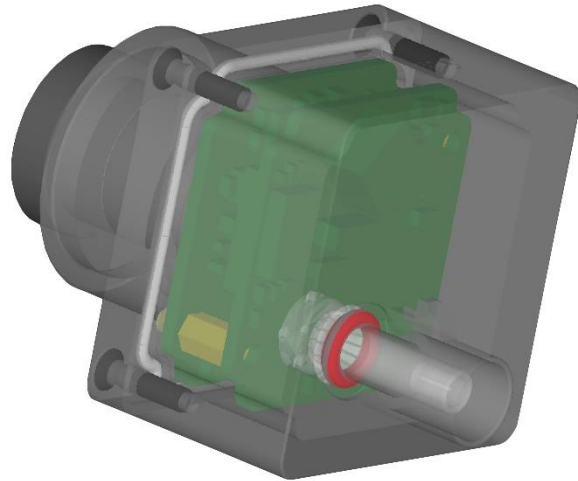


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Water Proof

- 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 12 meters
- Cable Part#: FAK-SMZSMZ-3M
- FAKRA type connectors



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Ordering Information

Part#: LI-OV2312-GMSL2-xxxH

Note:

xxxH - 104H: FOV H 104°

LI-OV2312-GMSL2-104H
 A black, square-shaped camera module with a lens in the center. The lens has a red and blue tint. The module is mounted on a black base with four screws. The text "Leopard Imaging" is visible on the front of the base.
Lens: HJ6074L Lens EFL: 2.852 mm F/#: 2.0 FOV(D): 140° FOV(H): 104° FOV(V): 82° Built-in 650nm + 940nm Dual band filter



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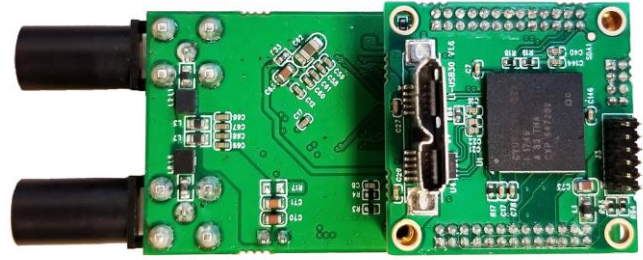
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LI-GMSL2-DESER



Front View

LI-USB30-CNTL



Back View

LI-OV2312-GMSL2-xxxH can connect to USB 3.0 EVA module as a USB 3.0 camera.
Part#: **LI-USB30-OV2312-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 12 meter PoC(Power over Cable)
- Support 1600x1300@30fps
- Power consumption: TBD
- Support Windows, Linux OS and other OS which include the UVC drivers.

SDK Supported

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



Revision History

Revision	Description	Release Date
1.0	First Release	9. Jul. 2020



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