



LEOPARD IMAGING INC

LI-IMX224-GMSL2-xxxH

Data Sheet

Key Features

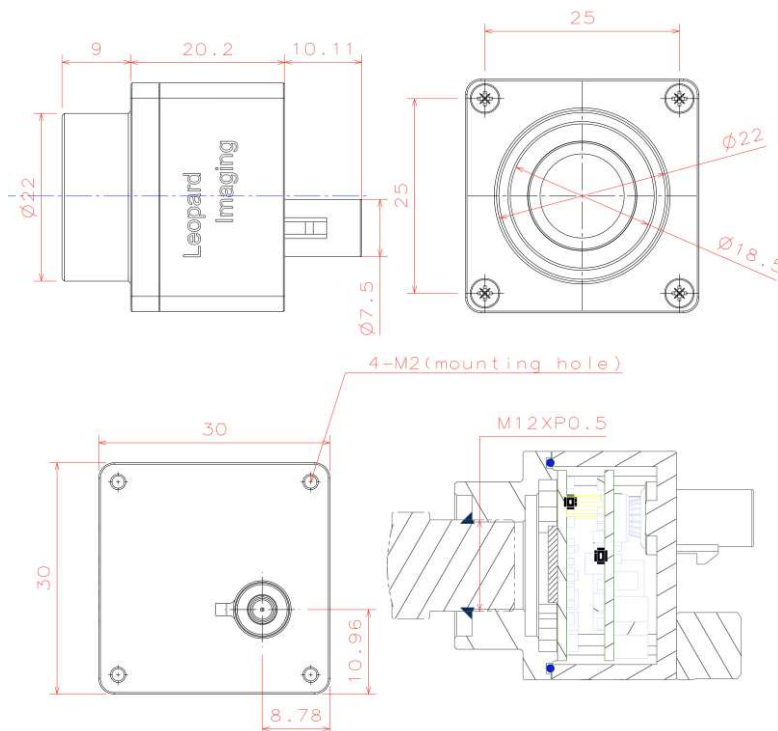
- Sony Diagonal 6.09 mm (Type 1/3) CMOS Image Sensor IMX224
- Optical format: 1/3"
- Number of active pixels: 1280H x 960V
- Pixel size: 3.75 μm x 3.75 μm
- Output 12 bit Raw data
- 27MHz clock input
- Support 12V Power
- Lens: FOV H 50 / 100
- GMSL2 Serializer
- Connector: FAKRA Z TYPE
- Water proof: IP67 (Up to IP69K)
- Operation Temp: -30 ~ 85 °C
- Storage Temp: -40 ~ 85 °C
- Size: 30 x 30 x 29.2 mm
- Weight: 45 g
- Part#: **LI-IMX224-GMSL2-xxxH**



Application

- Automotive ADAS
- Automotive Rear View or Backup

Dimensions

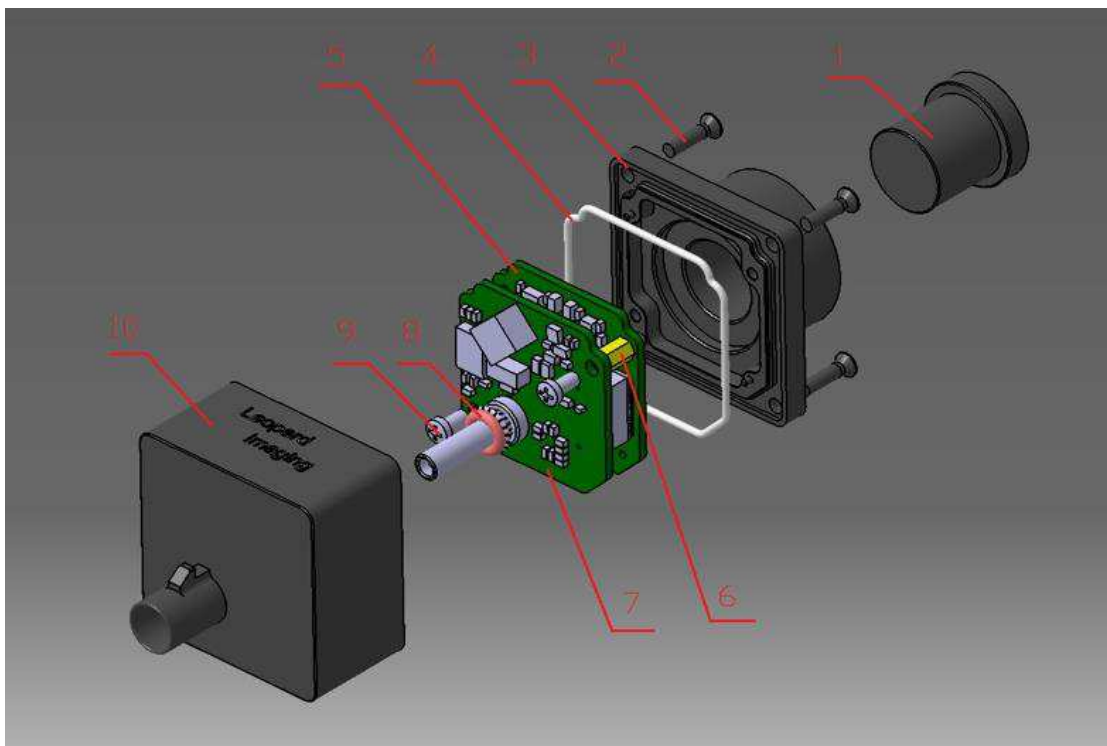


Leopard Imaging Inc.

1130 Cadillac Ct., Milpitas, CA 95035, USA
Phone: +1-408-263-0988
Fax: +1-408-217-1960
Email: sales@leopardimaging.com
Website: www.leopardimaging.com

BOM

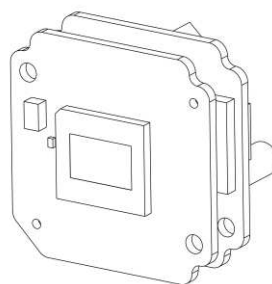
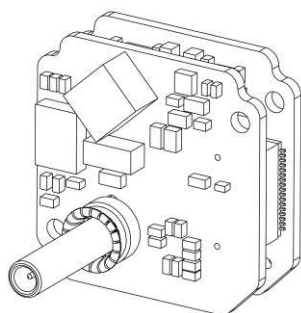
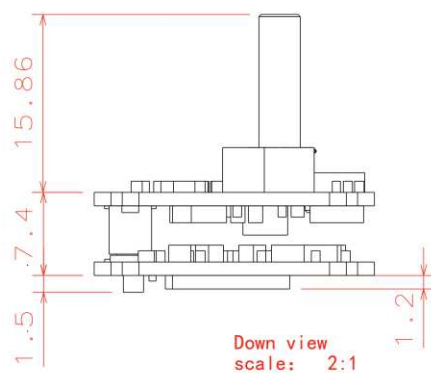
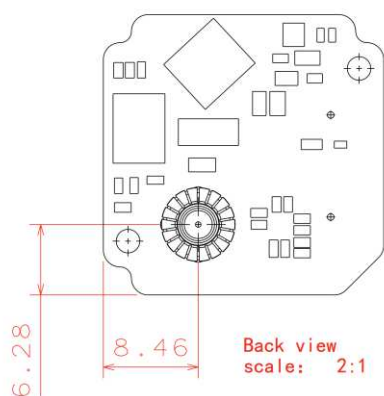
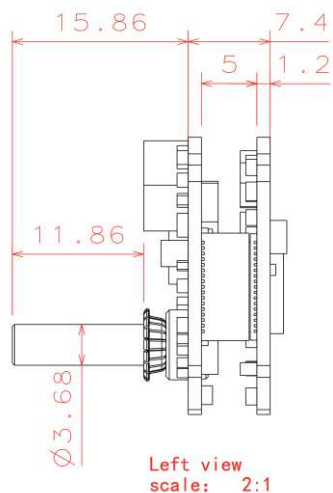
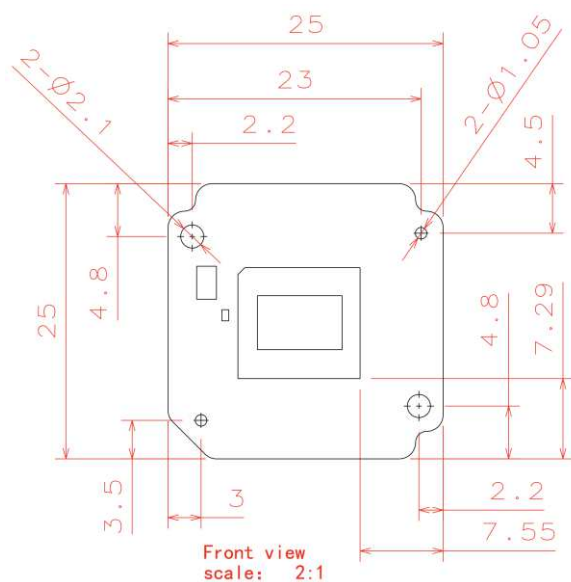
#	Name	SPEC	QTY/SET
1	Lens	M12 lens	1
2	Screw	M2*8 cross flat head black ZINC	4
3	Shell 2	AL6061-T6 BLACK Anodizing	1
4	Sealing ring	Silicon rubber, White	1
5	LI-IMX224-MIPI-FKR	IMX224 sensor board	1
6	Copper pillar	M2*5+3	2
7	LI-GMSL2-FKR	GMSL2 board	1
8	O ring	6.5*1.5 Silicon rubber Red	1
9	Screw	M2*4 cross pan head black ZINC	2
10	Shell 1	AL6061-T6 BLACK Anodizing	1



Leopard Imaging Inc.

1130 Cadillac Ct., Milpitas, CA 95035, USA
 Phone: +1-408-263-0988
 Fax: +1-408-217-1960
 Email: sales@leopardimaging.com
 Website: www.leopardimaging.com

Camera boards Dimensions

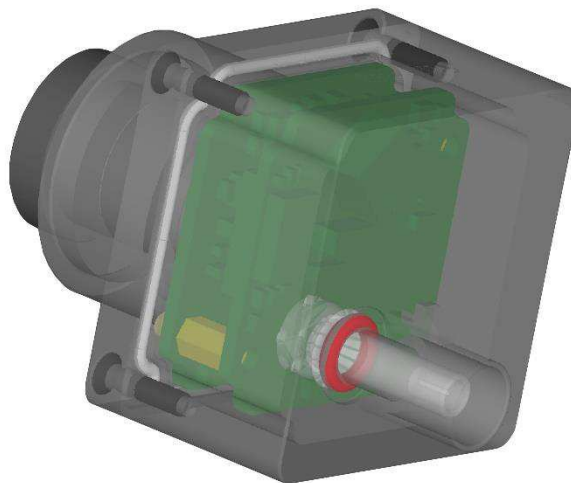


Leopard Imaging Inc.

1130 Cadillac Ct., Milpitas, CA 95035, USA
 Phone: +1-408-263-0988
 Fax: +1-408-217-1960
 Email: sales@leopardimaging.com
 Website: www.leopardimaging.com

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



Leopard Imaging Inc.

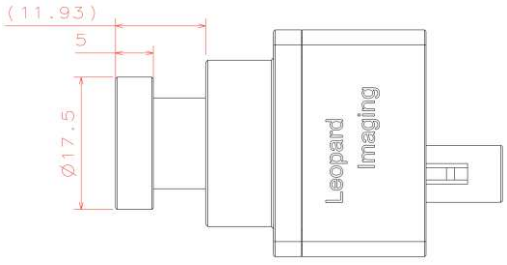
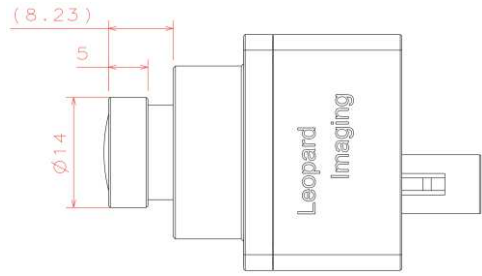
1130 Cadillac Ct., Milpitas, CA 95035, USA
Phone: +1-408-263-0988
Fax: +1-408-217-1960
Email: sales@leopardimaging.com
Website: www.leopardimaging.com

Ordering Information

Part#: LI-IMX224-GMSL2-xxxH

Note:

xxxH - 050H: FOV H 50°
100H: FOV H 100°

LI-IMX224-GMSL2-050H	LI-IMX224-GMSL2-100H
	
Lens: M127B0618W Lens EFL: 6.0 mm FOV(D): 67° FOV(H): 52° FOV(V): 38.5°	Lens: M128B02820WM12R1 Lens EFL: 2.8 mm FOV(D): 130° FOV(H): 102° FOV(V): 76.5°
	

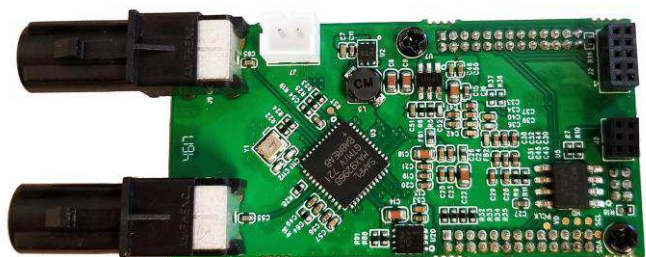


Leopard Imaging Inc.

1130 Cadillac Ct., Milpitas, CA 95035, USA
 Phone: +1-408-263-0988
 Fax: +1-408-217-1960
 Email: sales@leopardimaging.com
 Website: www.leopardimaging.com

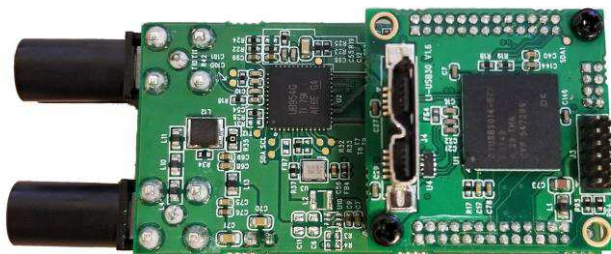
LI-USB30-IMX224-GMSL2-xxxH

LI-GMSL2-DESER



Front View

LI-USB30-CNTL



Back View

LI-IMX224-GMSL2-xxxH can connect to USB 3.0 EVA module as a USB 3.0 camera.

Part#: **LI-USB30-IMX224-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 1317x977 @ 30fps
- Power consumption: TBD
- Support Windows, Linux OS and other OS which includes the UVC drivers

SDK Supported

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



Leopard Imaging Inc.

1130 Cadillac Ct., Milpitas, CA 95035, USA
Phone: +1-408-263-0988
Fax: +1-408-217-1960
Email: sales@leopardimaging.com
Website: www.leopardimaging.com

Revision History

Revision	Description	Release Date
1.0	First Release	11. Jan. 2018
1.1	Update the lens information	22. Jun. 2018



Leopard Imaging Inc.

1130 Cadillac Ct., Milpitas, CA 95035, USA
Phone: +1-408-263-0988
Fax: +1-408-217-1960
Email: sales@leopardimaging.com
Website: www.leopardimaging.com