



LEOPARD IMAGING INC

LI-IMX490-GW5200-FPDLINKIII-xxxH

Data Sheet

Key Features

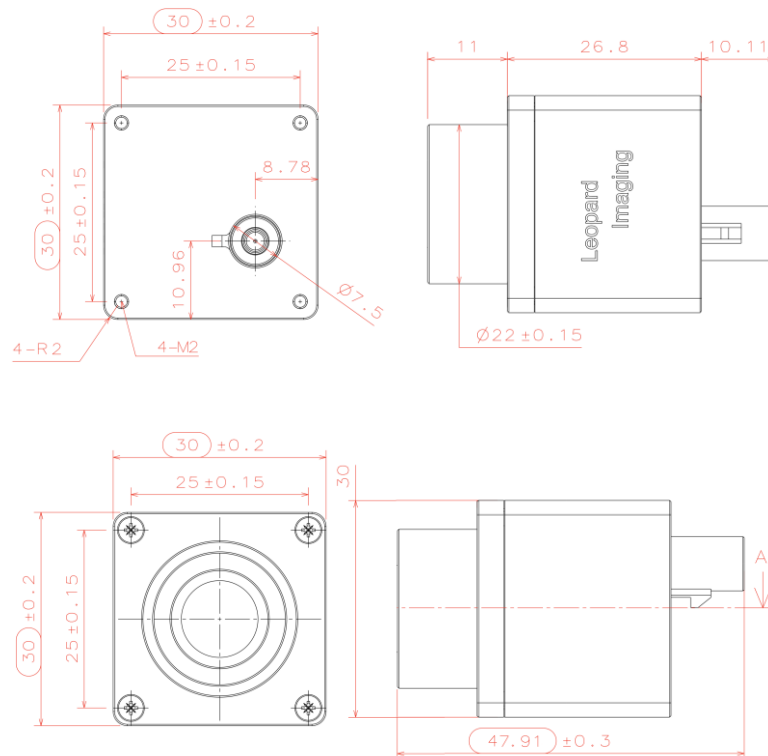
- Sony Diagonal 10.36mm (Type 1/1.55) 5.36MP CMOS Image Sensor IMX490
- Optical format: 1/1.55"
- Resolution: 2880H x 1860V
- Pixel size: 3.0 μm x 3.0 μm
- YUV output without compression
- Includes GEO Semi GW5200 ISP
- Support HDR
- Lens: FOV H 30° / 120°
- TI953 FPD-Link III Serializer
- Connector: FAKRA Z TYPE
- Water proof: IP67
- Operation Temp: -40 ~ 85 °C
- Storage Temp: -40 ~ 125 °C
- Size: 30 x 30 x 37.8 mm
- Weight: 55 ~ 80g (based on lens)
- Part#:
LI-IMX490-GW5200-FPDLINKIII-xxxH



Application

- Automotive ADAS
- 5MP video applications
- ADAS + Viewing Fusion

Dimensions



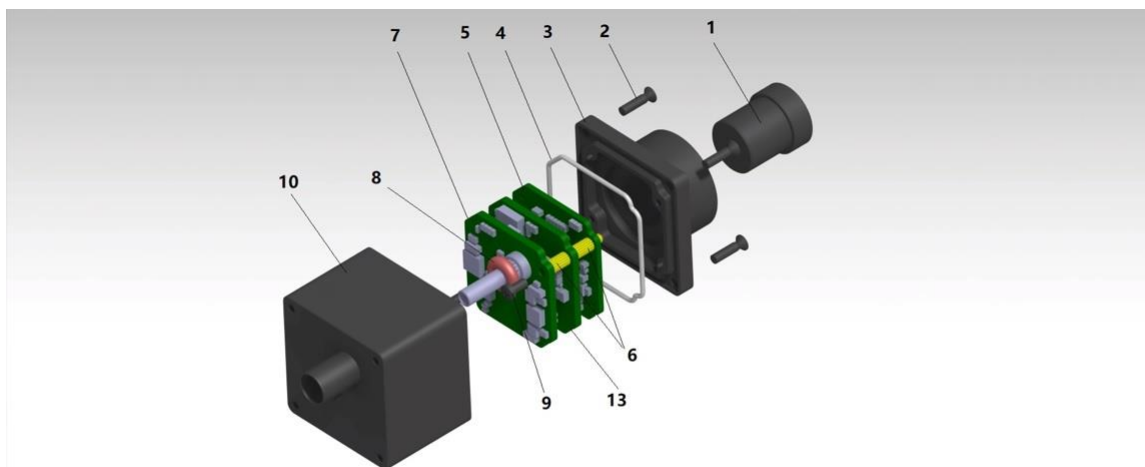
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BOM

#	Name	SPEC	QTY/SET
1	M16 Lens	CAR-36 CAR-53	1
2	Screw	KM2*8 black STAINLESS 304	4
3	Shell 2	AL6061-T6 BLACK Anodizing	1
4	Sealing ring	Silicon rubber, White	1
5	LI-IMX490-MIPI-FKR	IMX490 sensor board	1
6	Copper pillar	M2*5+4	4
7	LI-TI953-FKR	FPD-Link III serializer board	1
8	O ring	7*2.4 Silicon rubber Red	1
9	Screw	M2*4 black ZINC	2
10	Shell 1	AL6061-T6 BLACK Anodizing	1
13	LI-GW5200-MIPI	GW5200 ISP board	1

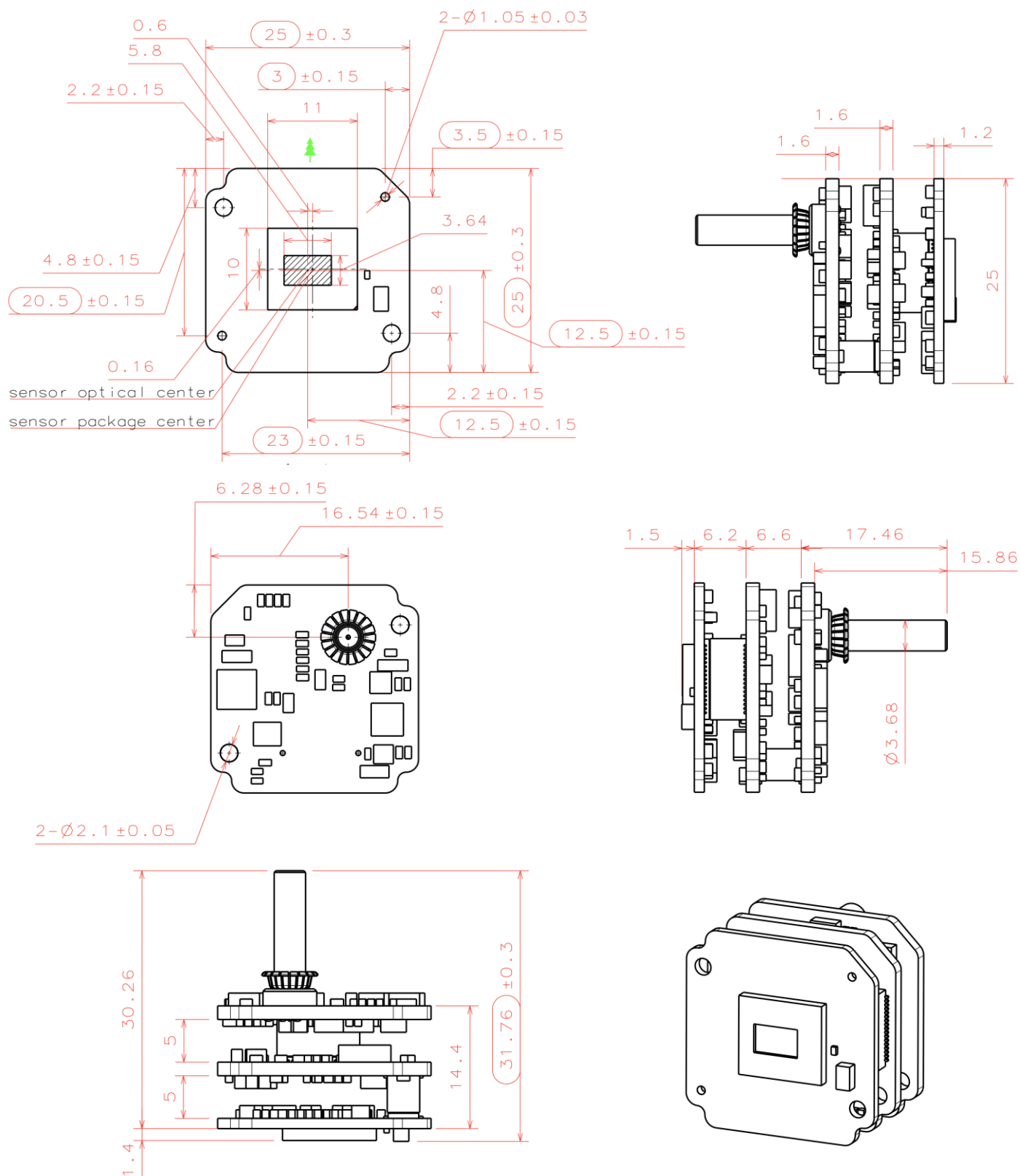


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Camera boards Dimensions



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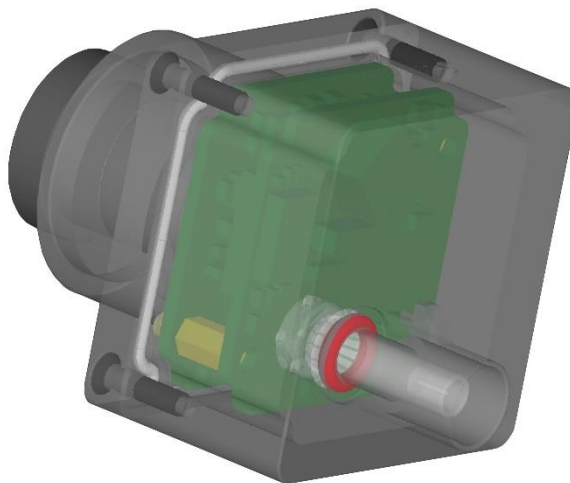
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Water Proof

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

Note: The lens must be glued for water-proof.



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-IMX490-GW5200-FPDLINKIII-xxxH

Note:

xxxH - 030H: FOV H 30°

xxxH - 120H: FOV H 120°

LI-IMX490-GW5200-FPDLINKII-030H	LI-IMX490-GW5200-FPDLINKIII-120H
	
Lens: CAR-36 Lens EFL: 16.36 mm F/#: 1.6 FOV(D): 33.5° FOV(H): 29° FOV(V): 16.2° Mount: M16	Lens: CAR-53 Lens EFL: 4.47 mm F/#: 1.6 FOV(D): 152° FOV(H): 121.5° FOV(V): 68° Mount: M16



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LI-USB30-DESER-FPDLINKIII



LI-IMX490-GW5200-FPDLINKIII can connect to LI-USB30-DESER-FPDLINKIII as a USB 3.0 camera. Part#: **LI-USB30-IMX490-GW5200-FPDLINKIII-xxxH**

Key Features

- USB 3.0 Super Speed support
- YUV output without compression
- Support HDR
- UVC compliance
- Provide customization services
- 12VDC Power Supply (Comes with camera)
- Weight: 178 g
- Single Coax Cable transmit up to 12 meter PoC(Power over Cable)
- Support 2880x1860@30fps
- Power consumption: < 230mA at 12VDC
- Support Windows, Linux OS and other OS which include UVC drivers

SDK Supported

- Camera Tool Source Code in C#
- Capture & Display



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Revision History

Revision	Description	Release Date
1.0	First Release	29. Aug. 2019
1.1	Add 030H lens and remove other lenses	27. Nov. 2019
1.2	Add 120H lens	13. Mar. 2020



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[LI-USB30-IMX390-GW5200-FPDLINKIII-120H](#) [LI-USB30-IMX490-GW5200-FPDLINKIII-030H](#)