



LEOPARD IMAGING INC

LI-AR0233-GW5200-FPDLINKIII-xxxH

Data Sheet

Key Features

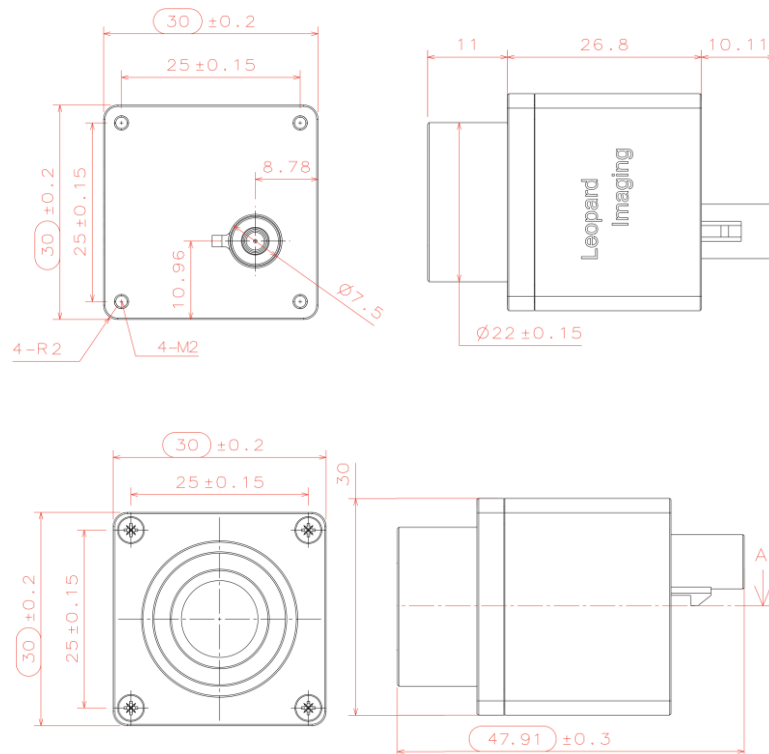
- ON SEMI 2.6MP CMOS Image Sensor AR0233AT
- Optical format: 1/2.5"
- Resolution: 1920H x 1080V
- Pixel size: 3.0 μm x 3.0 μm
- YUV output without compression
- Includes GEO Semi GW5200 ISP
- Support HDR
- Lens: FOV H 60°
- TI953 FPD-Link III Serializer
- Connector: FAKRA Z TYPE
- Water proof: IP67 (Up to IP69K)
- Operation Temp: -40 ~ 85 °C
- Storage Temp: -40 ~ 125 °C
- Size: 30 x 30 x 37.8 mm
- Weight: 50 g
- Part#:
LI-AR0233-GW5200-FPDLINKIII-xxxH



Application

- Automotive ADAS
- 1080p video applications
- ADAS + Viewing Fusion

Dimensions



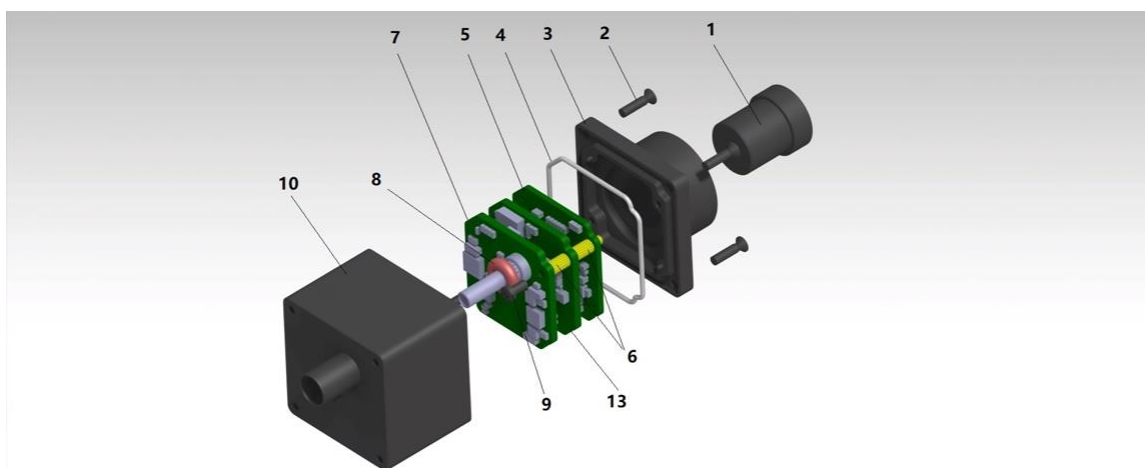
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BOM

#	Name	SPEC	QTY/SET
1	M12 Lens	LC033A	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-AR0233-MIPI-FKR	AR0233 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

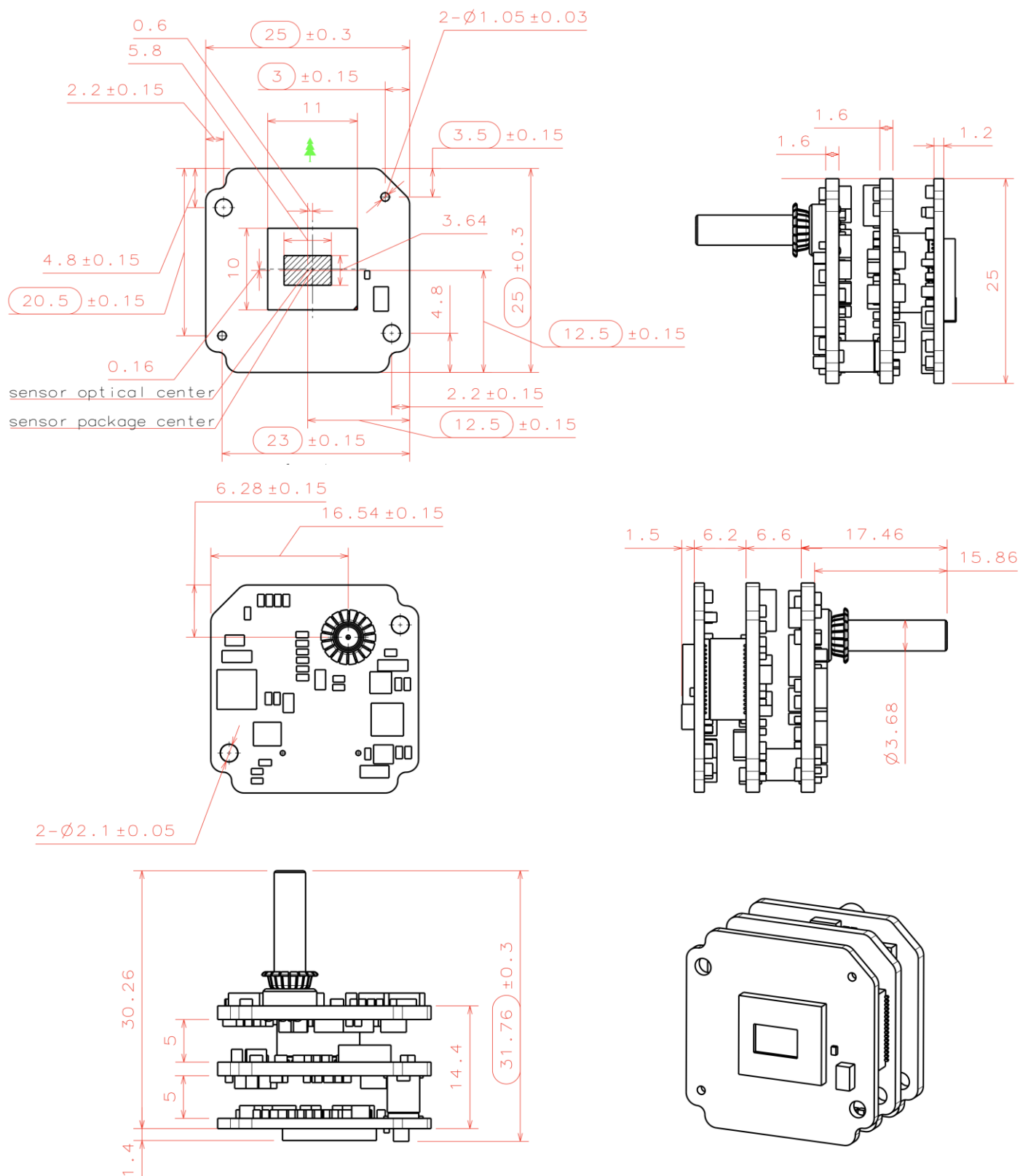


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Camera boards Dimensions



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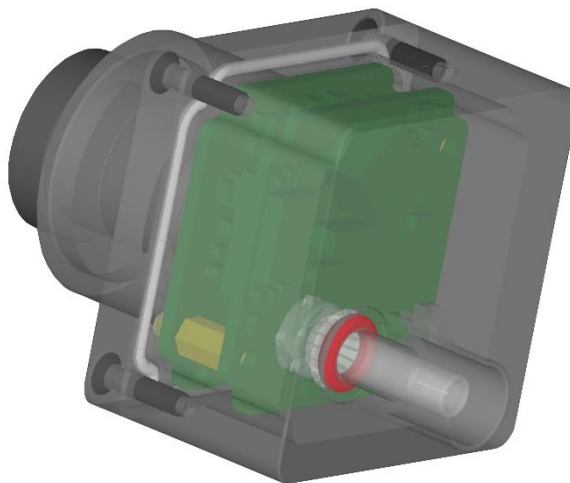
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Water Proof

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

Note: The lens must be glued on camera 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-0008
- FAKRA type connectors



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Ordering Information

Part#: LI-AR0233-GW5200-FPDLINKIII-xxxH

Note:

xxxH - 060H: FOV H 60 °

LI-AR0233-GW5200-FPDLINKIII-060H



Lens: LC033A
Lens EFL: 5.83 mm
F/#: 1.8
FOV(H): 59.8°



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LI-USB30-DESER-FPDLINKIII



LI-AR0233-GW5200-FPDLINKIII can connect to LI-USB30-DESER-FPDLINKIII as a USB 3.0 camera. Part#: [LI-USB30-AR0233-GW5200-FPDLINKIII-xxxH](#)

Key Features

- USB 3.0 Super Speed support
- YUV output without compression
- Support WDR
- 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 1920x1080
- Power consumption: < 205mA @ 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	17. Jul. 2019
1.1	Change 060H lens to LC033A	5. Aug. 2019
1.2	Remove 025H and 120H lenses	15. Oct. 2019



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