



LEOPARD IMAGING INC

LI-AR0233-GW5200-GMSL2-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° / 120°
- GMSL2 Serializer
- Connector: FAKRA Z TYPE
- Water proof: IP69K
- Operation Temp: -40 ~ 85 °C
- Storage Temp: -40 ~ 105 °C
- Size: 30 x 30 x 37.8 mm
- Weight: 50 g
- Part#:

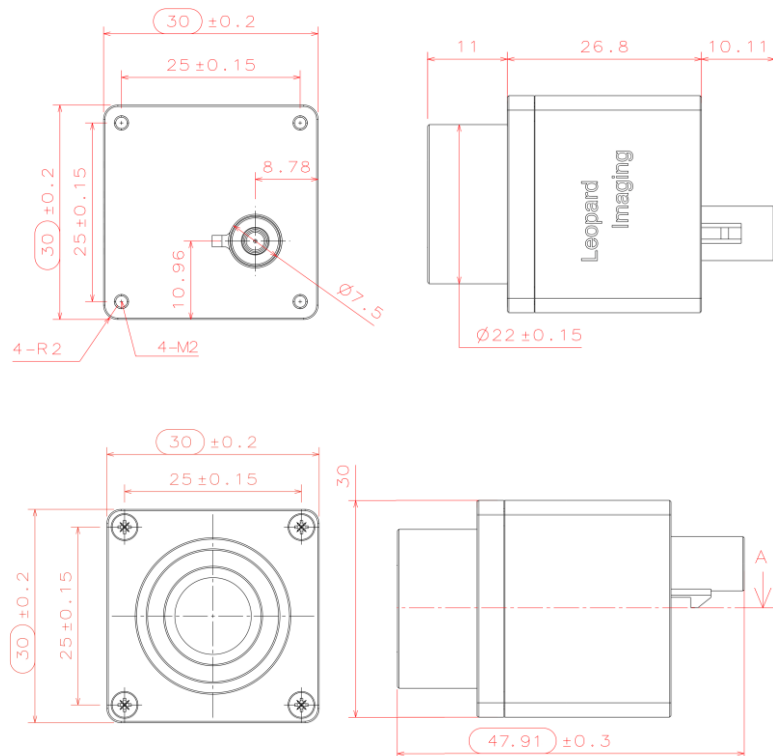
LI-AR0233-GW5200-GMSL2-xxxH



Application

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

Dimensions



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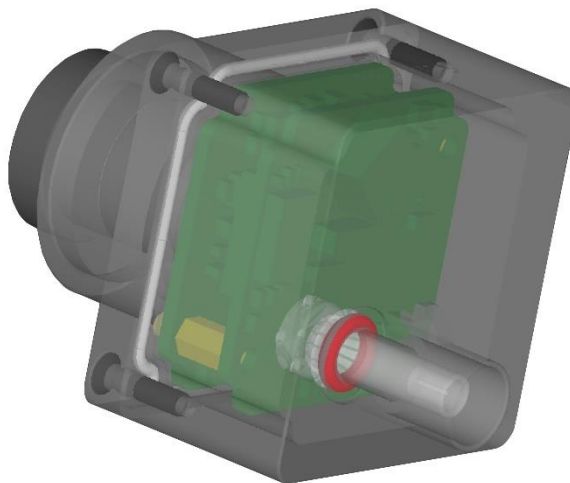
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Water Proof

- 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-3M
- FAKRA type connectors



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Ordering Information

Part#: LI-AR0233-GW5200-GMSL2-xxxH

Note:

xxxH - 060H: FOV H 60°

xxxH - 120H: FOV H 120°

LI-AR0233-GW5200-GMSL2-060H	LI-AR0233-GW5200-GMSL2-120H
	
Lens EFL: 5.83 mm F/#: 1.8 FOV(D): 72° FOV(H): 59.8° FOV(V): 34° M12 Mount Water proof: IP69K	Lens EFL: 2.914 mm +/- 5% F/#: 1.8 +/- 5% FOV(H): 140° FOV(H): 120.3° FOV(H): 65.3° M12 Mount Water proof: IP69K



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LI-USB30-DESER-GMSL2-FP



LI-AR0233-GW5200-GMSL2 can connect to LI-USB30-DESER-GMSL2-FP as a USB 3.0 camera. Part#: **LI-USB30-AR0233-GW5200-GMSL2-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 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
- ISP Rom Update



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Revision History

Revision	Description	Release Date
1.0	First Release	29. Jul. 2019
1.1	Change the 060H lens to LC033A	5. Aug. 2019
1.2	Remove 025H and 120H lenses	15. Oct. 2019
1.3	Add LC035 lens	10. Dec. 2019
1.4	Change the USB3.0 Tester to FP version	30. Jan. 2021



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Mouser Electronics

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