



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  $\mu\text{m}$  x 3.0  $\mu\text{m}$
- 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#:

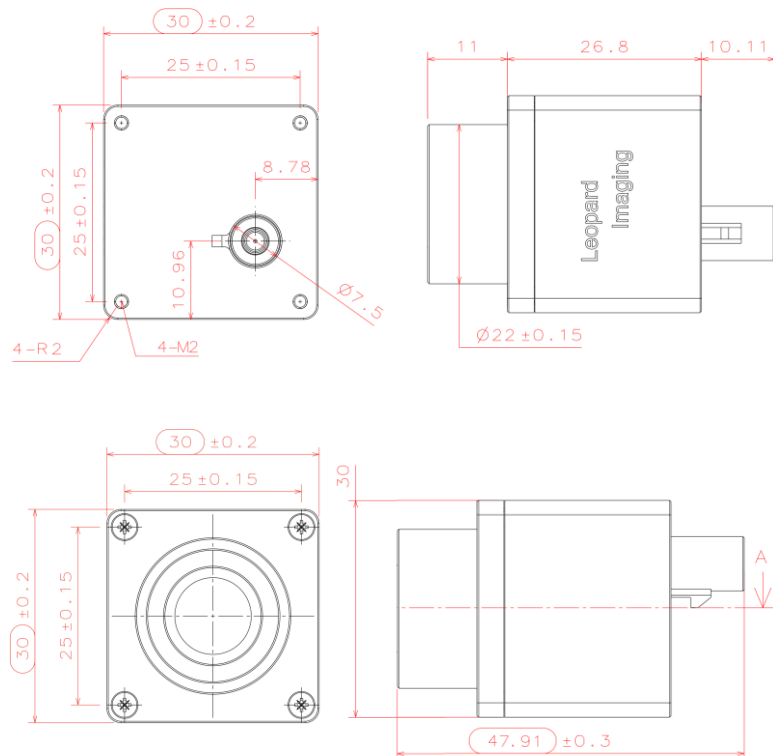
LI-AR0233-GW5200-GMSL2-xxxH



### Application

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

### Dimensions



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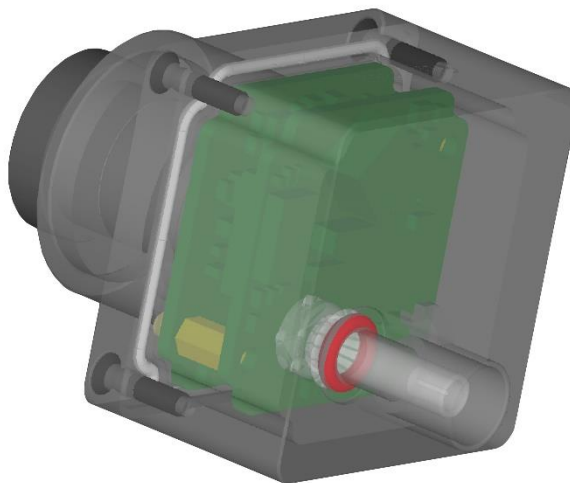
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## Water Proof

- 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<br>F/#: 1.8<br>FOV(D): 72°<br>FOV(H): 59.8°<br>FOV(V): 34°<br>M12 Mount<br>Water proof: IP69K | Lens EFL: 2.914 mm +/- 5%<br>F/#: 1.8 +/- 5%<br>FOV(H): 140°<br>FOV(H): 120.3°<br>FOV(H): 65.3°<br>M12 Mount<br>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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