



LEOPARD IMAGING INC

LI-IMX390-GW5200-GMSL2-xxxH

Data Sheet

Key Features

- Sony Diagonal 6.67mm (Type 1/2.7) CMOS Image Sensor IMX390
- Optical format: 1/2.7"
- 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 40° /120°
- GMSL2 Serializer
- Connector: FAKRA Z TYPE
- Water proof: IP67 (120H)
- Operation Temp: -40 ~ 85 °C
- Storage Temp: -40 ~ 105 °C
- Size: 30 x 30 x 37.8 mm
- Weight: 50 g
- Part#:

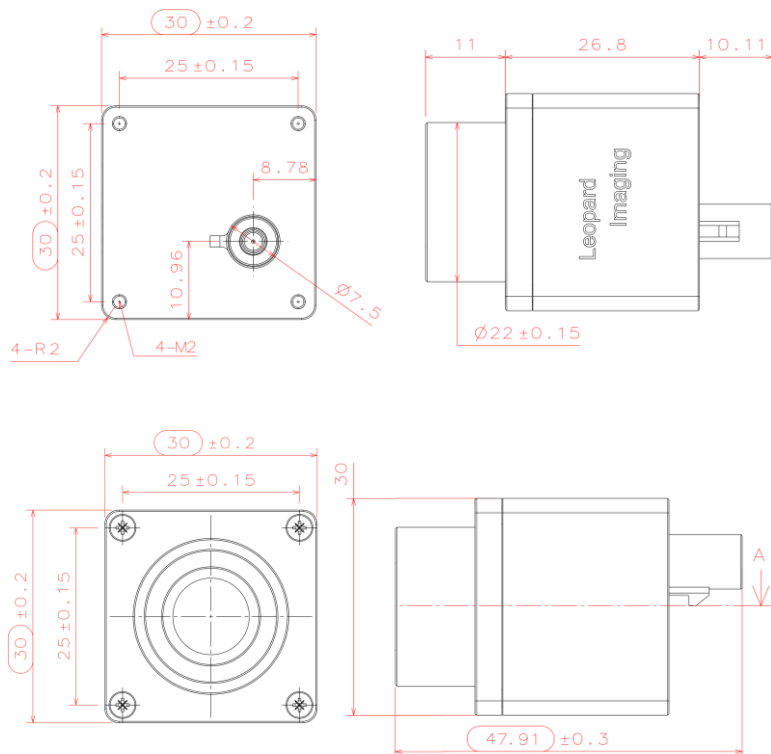
LI-IMX390-GW5200-GMSL2-xxxH



Application

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

Dimensions



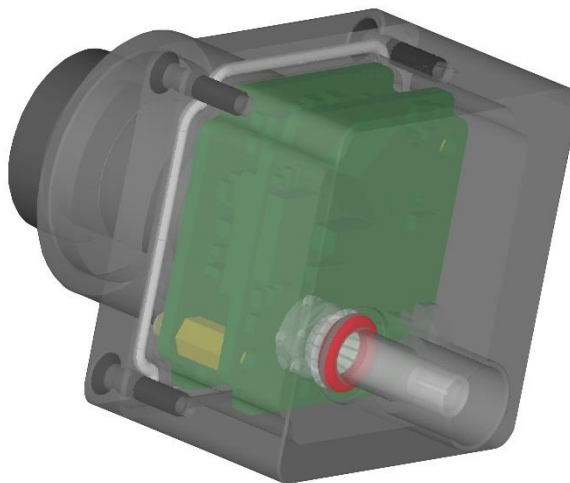
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Water Proof

- 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 12 meters
- Cable Part#: FAK-SMZSMZ-3M
- FAKRA type connectors



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Ordering Information

Part#: LI-IMX390-GW5200-GMSL2-xxxH

Note:

xxxH - 040H: FOV H 040°
120H: FOV H 120°

LI-IMX390-GW5200-GMSL2-040H	LI-IMX390-GW5200-GMSL2-120H
	
Lens EFL: 7.5 mm F#: 2.8 FOV(D): 47° FOV(H): 41° FOV(V): 23.5° Mount: M12 Water proof: Not support	Lens EFL: 2.8 mm F#:2.8 FOV(D): 148° FOV(H): 122° FOV(V): 74° Mount: M12 Water proof: IP67



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LI-USB30-DESER-GMSL2-FP



LI-IMX390-GW5200-GMSL2 can connect to LI-USB30-DESER-GMSL2-FP as a USB 3.0 camera. Part#: [LI-USB30-IMX390-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 @ 60fps
- Power consumption: Approx. 193mA at 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	20. Nov. 2018
1.1	Add E3292B-R3 HFOV 120 lens	08. Jan. 2019
1.2	Add DSL958 HFOV 70 lens	13. Aug. 2019
1.3	Remove 040H and 070H lens	30. Dec. 2020
1.4	Add 040H lens and change USB3.0 Tester to FP version	30. Jan. 2021



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[LI-USB30-IMX390-GW5200-GMSL2-040H](#) [LI-USB30-IMX390-GW5200-GMSL2-120H](#)