



LEOPARD IMAGING INC

LI-IMX390-GW5200-FPDLINKIII-xxxH

Data Sheet

Key Features

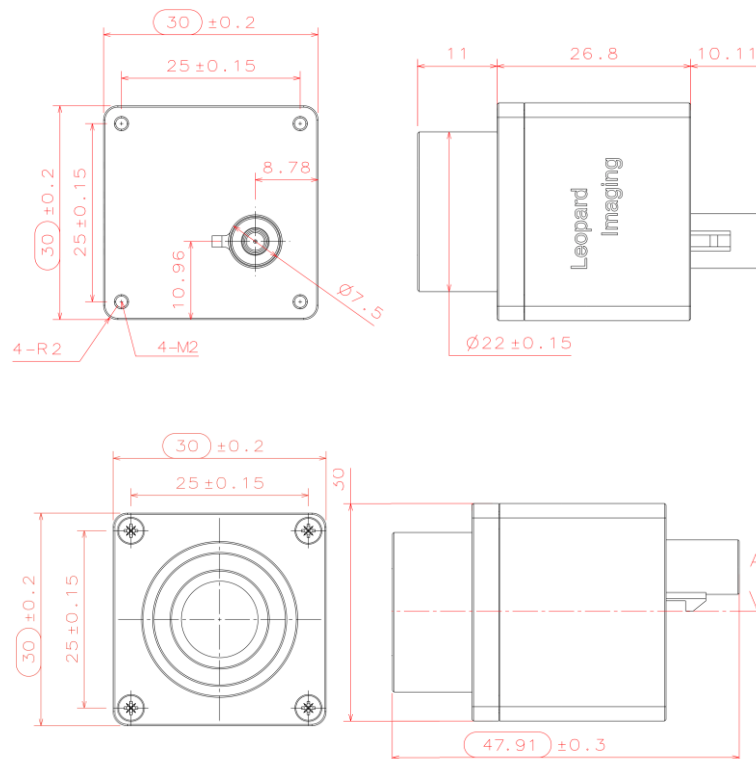
- Sony Diagonal 6.67mm (Type 1/2.7) CMOS Image Sensor IMX390
- Optical format: 1/2.7"
- Resolution: 1920H x 1080V
- Pixel size: 3.0 μm x 3.0 μm
- YUV output without compression
- Includes GEO Semi GW5200 ISP
- Support HDR
- Lens: FOV H 40° /120°
- TI953 FPD-Link III Serializer
- Connector: FAKRA Z TYPE
- 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-FPDLINKIII-xxxH



Application

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

Dimensions



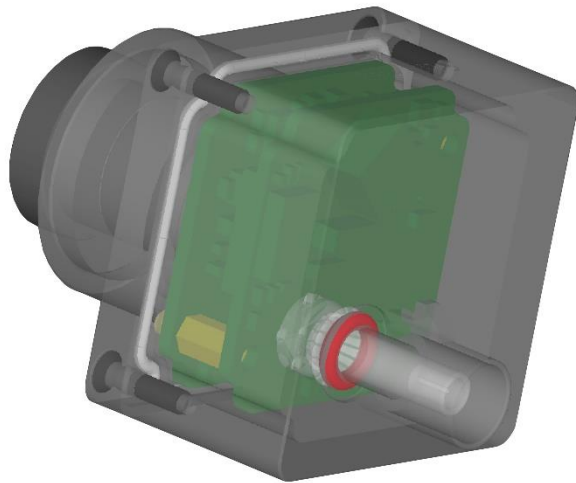
USA Office
48820 Kato Rd, Suite 100B, Fremont, CA 95035, USA
Phone: +1-408-263-0988
Fax: +1-408-217-1960
Email: sales@leopardimaging.com
Website: www.leopardimaging.com

Shanghai Office (China)

上海市闵行区宜山路 1618 号新意城 A 座 9 楼 A910, 201103
Phone: + 86-139-1857-8492
王斌(Robin Wang)
Email: robinw@leopardimaging.com

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



USA Office
48820 Kato Rd, Suite 100B, Fremont, CA 95035, USA
Phone: +1-408-263-0988
Fax: +1-408-217-1960
Email: sales@leopardimaging.com
Website: www.leopardimaging.com

Shanghai Office (China)

上海市闵行区宜山路 1618 号新意城 A 座 9 楼 A910, 201103
Phone: + 86-139-1857-8492
王斌(Robin Wang)
Email: robinw@leopardimaging.com

Ordering Information

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

Note:

xxxH - 040H: FOV H 40°
120H: FOV H 120°

LI-IMX390-GW5200-FPDLINKIII-040H	LI-IMX390-GW5200-FPDLINKIII-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



USA Office
48820 Kato Rd, Suite 100B, Fremont, CA 95035, USA
Phone: +1-408-263-0988
Fax: +1-408-217-1960
Email: sales@leopardimaging.com
Website: www.leopardimaging.com

Shanghai Office (China)

上海市闵行区宜山路 1618 号新意城 A 座 9 楼 A910, 201103
Phone: + 86-139-1857-8492
王斌(Robin Wang)
Email: robinw@leopardimaging.com

LI-USB30-DESER-FPDLINKIII-FP



LI-IMX390-GW5200-FPDLINKIII can connect to LI-USB30-DESER-FPDLINKIII-FP as a USB 3.0 camera. Part#: **LI-USB30-IMX390-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 @ 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



USA Office
48820 Kato Rd, Suite 100B, Fremont, CA 95035, USA
Phone: +1-408-263-0988
Fax: +1-408-217-1960
Email: sales@leopardimaging.com
Website: www.leopardimaging.com

Shanghai Office (China)

上海市闵行区宜山路 1618 号新意城 A 座 9 楼 A910, 201103
Phone: + 86-139-1857-8492
王斌(Robin Wang)
Email: robinw@leopardimaging.com

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



USA Office
48820 Kato Rd, Suite 100B, Fremont, CA 95035, USA
Phone: +1-408-263-0988
Fax: +1-408-217-1960
Email: sales@leopardimaging.com
Website: www.leopardimaging.com

Shanghai Office (China)

上海市闵行区宜山路 1618 号新意城 A 座 9 楼 A910, 201103
Phone: + 86-139-1857-8492
王斌(Robin Wang)
Email: robinw@leopardimaging.com