



**LEOPARD**  
IMAGING

# LI-ISX031-10GSFP-118H



**Address:**

910 Auburn Ct  
Fremont, CA 94538  
USA



**Phone:**

+1 (408)263-0988

**Fax:**

+1 (408)217-1960



**Sales:**

[sales@leopardimaging.com](mailto:sales@leopardimaging.com)

**Support:**

[support@leopardimaging.com](mailto:support@leopardimaging.com)

## TECHNICAL FEATURES

- Compatible with NVIDIA® Jetson AGX Orin™ / IGX Orin™ / Thor™ Developer Kit
- Lattice® CertusPro-NX FPGA
- Sensor: Sony Diagonal 7.45 mm CMOS Image Sensor ISX031
- Focusing distance: 1 M
- Resolution: 1937 (H) x 1553 (V) (active pixels)
- Working Mode: Master mode
- Output format: 8-bit YUV
- Interface: 10G SFP+
- Power Supply: 12 VDC
- Power Consumption: ~ 3.07W (256 mA @ 12 VDC)
- Operating temperature: 0°C ~ +70°C
- Storage temperature: 0°C ~ +70°C
- Weight: ~ 120 g
- Allows customization

## Applications

- In Cabin Automotive
  - ◆ Gesture Recognition
  - ◆ Iris Scanning
  - ◆ Head Roll
  - ◆ Eye Tracking
  - ◆ Machine Vision

## LENS SPECIFICATIONS

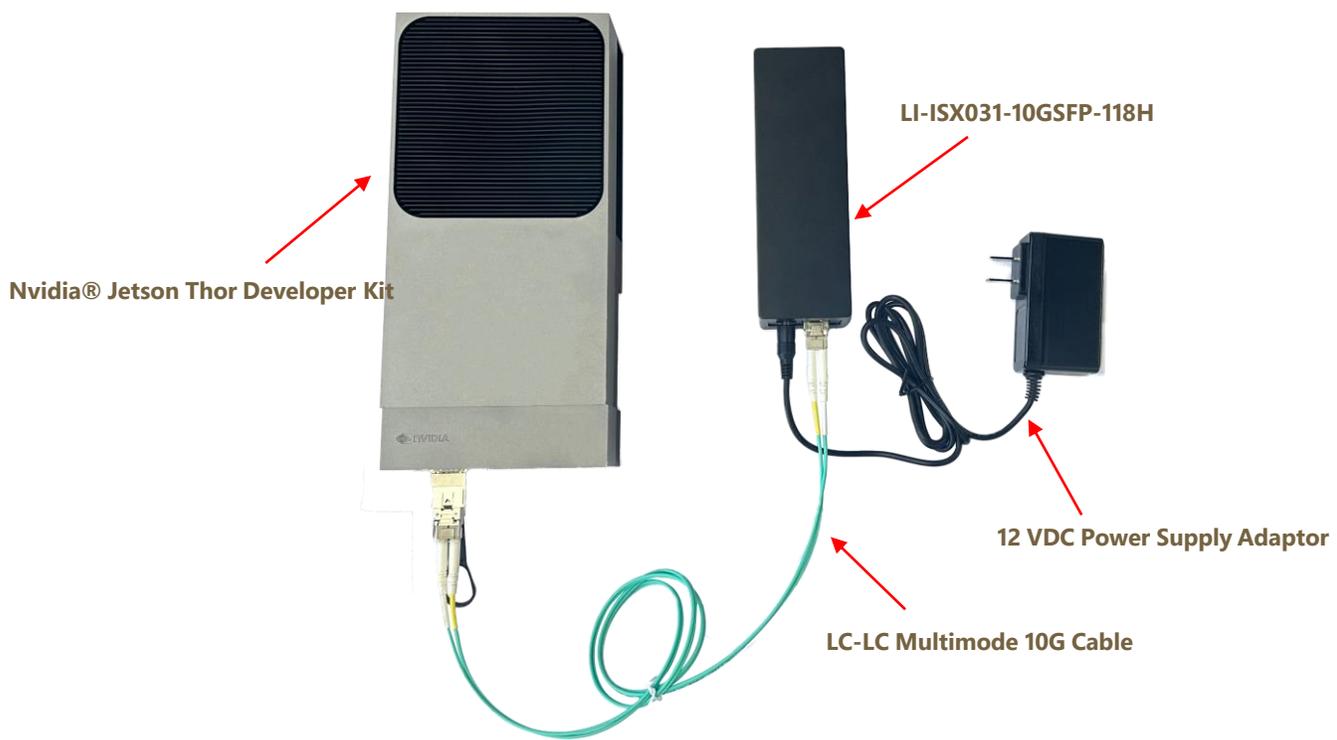
Lens EFL	3.021 mm ± 5%
Aperture, F/#	2.0 ± 5%
Field of View (FOV)	118° horizontal
Optical Distortion	-88.59% ± 5% (f-tan θ)
Relative Illumination	49.81%
IR Filter	700 nm IR cut filter
Lens Mount	M12 x P0.5



## BOM

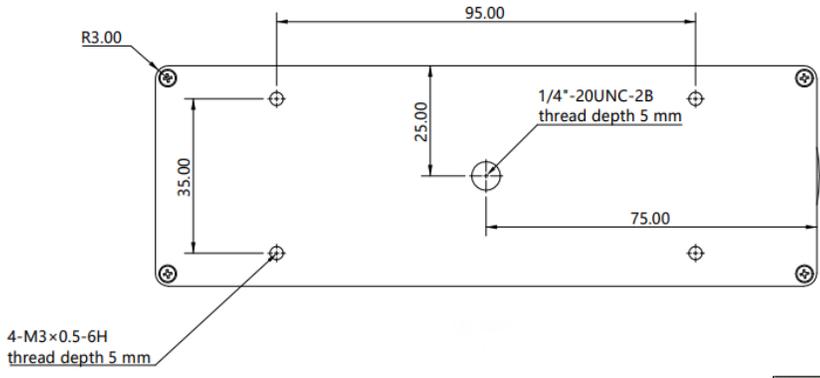
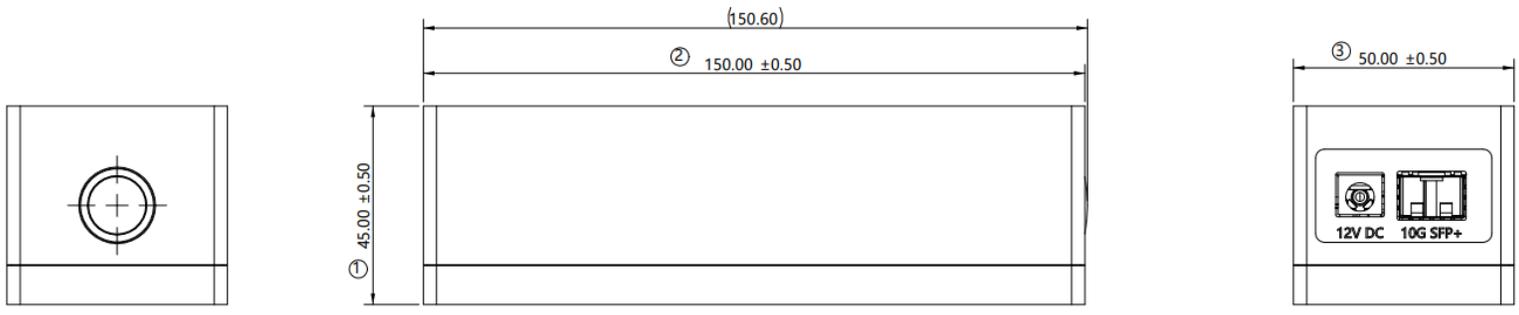
#	Items	QTY
1	LI-ISX031-10GSFP-118H	1
2	12 VDC Power Supply Adaptor	1

## Typical connection



Nvidia® Jetson IGX Orin / AGX Orin™ / Thor Developer Kit and LC-LC Multimode 10G Cable are **NOT** included.

# DIMENSIONS



TOLERANCE TABLE					
LENGTH TOLERANCE		CHAMFER TOLERANCE		ANGLE TOLERANCE	
Size X	Tolerance	Size X	Tolerance	Size X	Tolerance
0.5 < X ≤ 3	±0.1	0.5 < X ≤ 3	±0.2	X ≤ 10	±1'
3 < X ≤ 6	±0.1	3 < X ≤ 6	±0.5	10 < X ≤ 50	±30'
6 < X ≤ 30	±0.2	6 < X ≤ 30	±1	50 < X ≤ 120	±20'
30 < X ≤ 120	±0.3	X > 30	±2	120 < X ≤ 400	±10'
120 < X ≤ 400	±0.5			X > 400	±5'
400 < X ≤ 1000	±0.8				
X > 1000	±1.2				

**NOTE:**

- Other unmarked tolerances refer to the tolerance table.
- ⊗ marked are important sizes.
- All materials are compliant with RoHS requirements.
- Unit: mm

## 10GB SFP+

- Part#: 1888247-1
- Connector Type: SFP+



## External 12 VDC Power Supply In Default

- Part#: PJ-063AH
- Number of Positions: 3
- Connector Type: Jack
- Inner Diameter: 2 mm
- Outer Diameter: 6.5 mm



## ● REVISION HISTORY

Revision	Description	Release Date
1.0	First release.	20 Mar 2026

910 Auburn Ct, Fremont, CA 94538, USA

Phone: +1-408-263-0988

Fax: +1-408-217-1960

Email: [sales@leopardimaging.com](mailto:sales@leopardimaging.com)

Website: [www.leopardimaging.com](http://www.leopardimaging.com)

