



**LEOPARD**  
IMAGING

# LI-IMX568-10GigE-105H



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## ● TECHNICAL FEATURES

- Compatible with NVIDIA® Jetson AGX Orin™ / IGX Orin™ / Thor™ Developer Kit
- Lattice® CertusPro-NX FPGA
- Marvell® 10GB Ethernet PHY Transceiver
- Sensor: Sony Diagonal 8.8 mm CMOS Pregius S Image Sensor IMX568
- Resolution: 2472 (H) × 2064 (V) (active pixels)
- Focusing distance: 3 M
- Working Mode: Master mode
- Power Supply: External 12 VDC
- Power Consumption: TBD
- Operating temperature: TBD
- Storage temperature: TBD
- Weight: ~ 282 g
- Allows customization

## ● Applications

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

## ● LENS SPECIFICATIONS

|                        |                 |
|------------------------|-----------------|
| Effective Focal Length | 3.939 mm        |
| Aperture, F/#          | 2.20 ± 5 %      |
| Field of View (FOV)    | 105° horizontal |
| TV Distortion          | -19.21 %        |
| Relative Illumination  | 41 % @ 1.0F     |
| Lens Mount             | M12 x P0.5      |

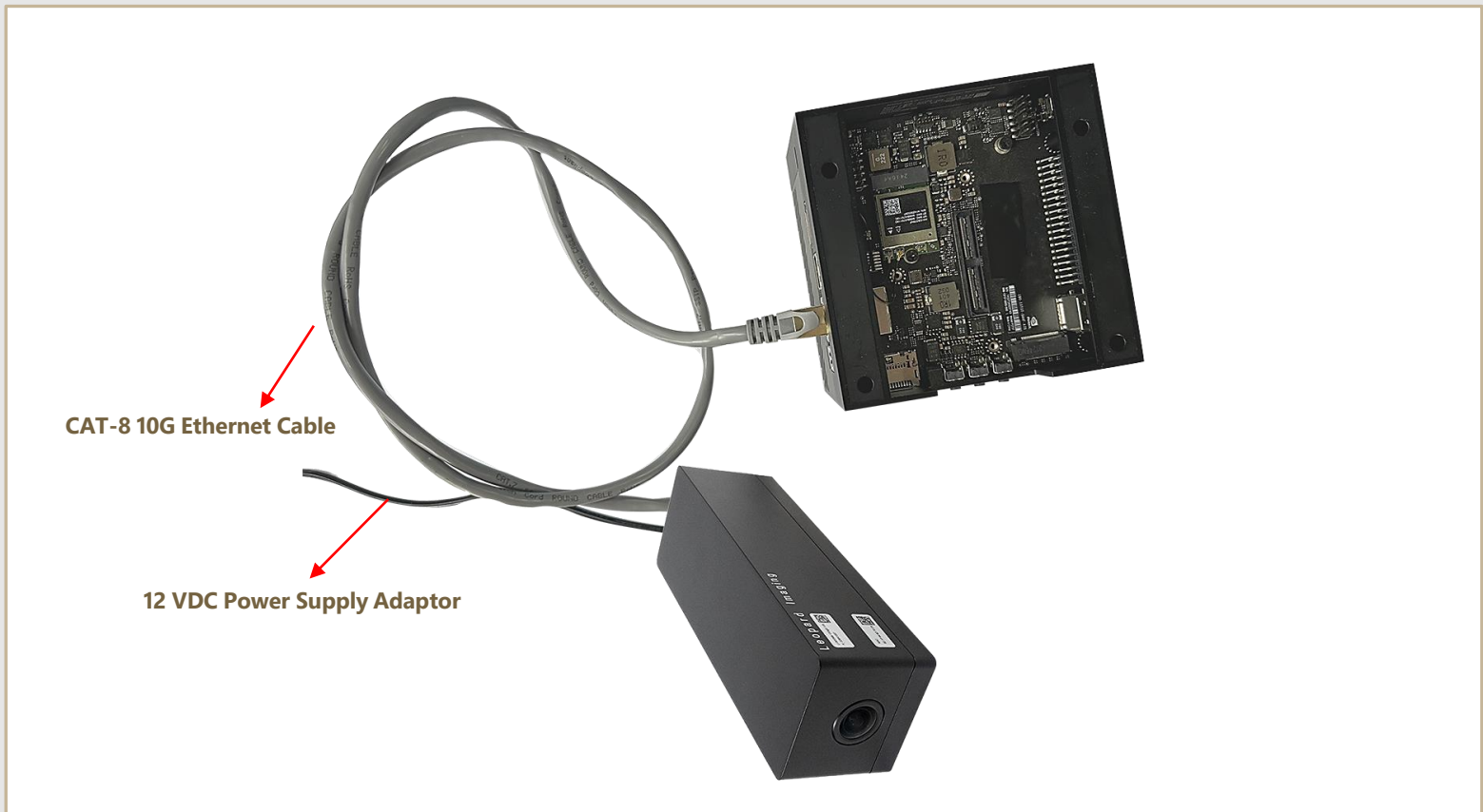


## ● BOM

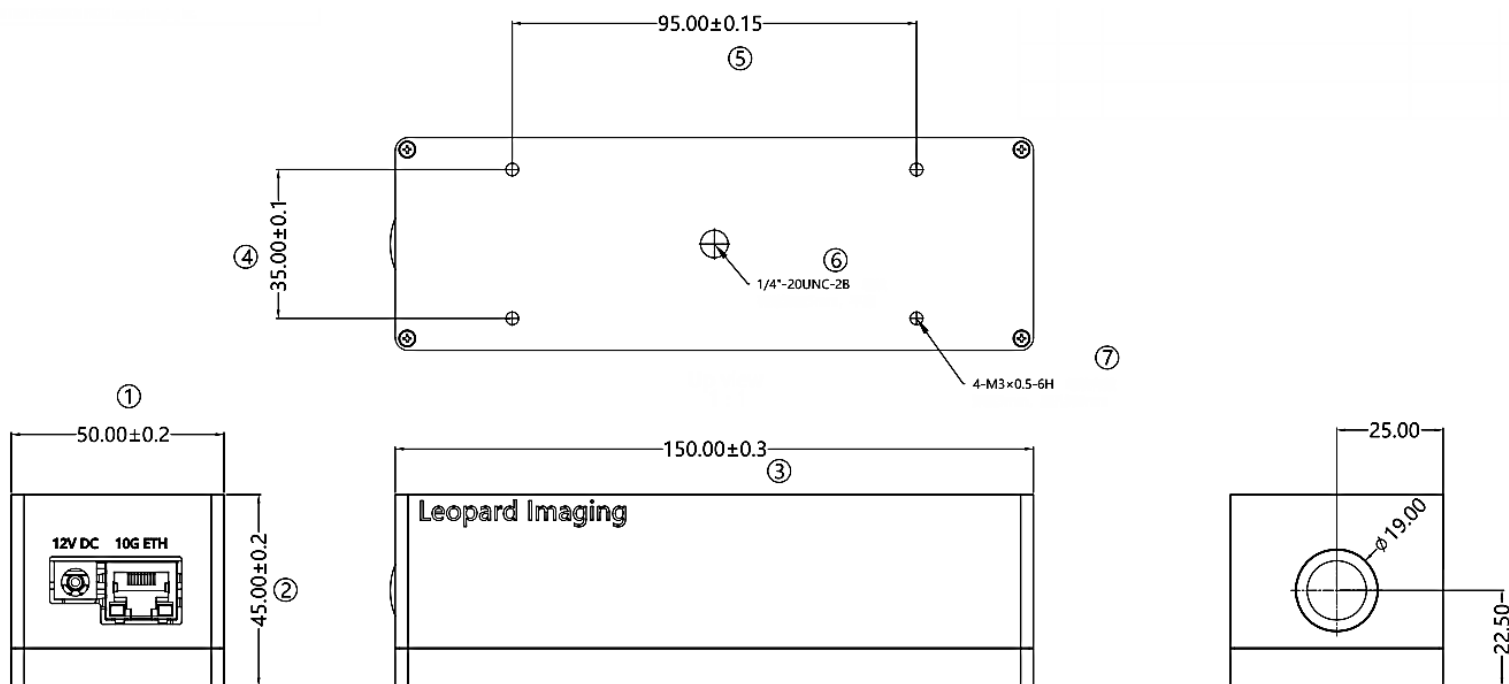
| # | Items                       | QTY |
|---|-----------------------------|-----|
| 1 | LI-IMX568-10GigE-105H       | 1   |
| 2 | CAT-8 10G Ethernet Cable    | 1   |
| 3 | 12 VDC Power Supply Adaptor | 1   |

Nvidia® Jetson IGX Orin / AGX Orin™ / Thor Developer Kit is **NOT** included.

## ● Typical connection



## DIMENSIONS



### NOTE:

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

| TOLERANCE TABLE     |           |                   |           |                    |               |
|---------------------|-----------|-------------------|-----------|--------------------|---------------|
| LENGTH TOLERANCE    |           | CHAMFER TOLERANCE |           | ANGLE TOLERANCE    |               |
| Size X              | Tolerance | Size X            | Tolerance | Size X             | Tolerance     |
| $0.5 < X \leq 3$    | $\pm 0.1$ | $0.5 < X \leq 3$  | $\pm 0.2$ | $X \leq 10$        | $\pm 1^\circ$ |
| $3 < X \leq 6$      | $\pm 0.1$ | $3 < X \leq 6$    | $\pm 0.5$ | $10 < X \leq 50$   | $\pm 30'$     |
| $6 < X \leq 30$     | $\pm 0.2$ | $6 < X \leq 30$   | $\pm 1$   | $50 < X \leq 120$  | $\pm 20'$     |
| $30 < X \leq 120$   | $\pm 0.3$ | $X > 30$          | $\pm 2$   | $120 < X \leq 400$ | $\pm 10'$     |
| $120 < X \leq 400$  | $\pm 0.5$ |                   |           | $X > 400$          | $\pm 5'$      |
| $400 < X \leq 1000$ | $\pm 0.8$ |                   |           |                    |               |
| $X > 1000$          | $\pm 1.2$ |                   |           |                    |               |

## ● RJ45 10GB Ethernet

- Part#: 7499811420
- Connector Type: RJ45
- Orientation: 90° Angle (Right)
- LED Color: Yellow, Green – Green
- Number of Cores per Jack: 8



## ● External 12 VDC Power Supply

- Part#: PJ-002A
- Number of Positions: 3
- Connector Type: Jack
- Inner Diameter: 2 mm
- Outer Diameter: 6.5 mm



- REVISION HISTORY

| Revision | Description    | Release Date |
|----------|----------------|--------------|
| 0.1      | Initial draft. | 14 Oct 2025  |

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