



LEOPARD
IMAGING

LI-IMX530-10GigE-NL



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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 19.3 mm CMOS Image color Sensor IMX530
- Resolution: 5328 (H) x 4608 (V) (active pixels)
- Lens: No included
- Lens Mount: C-mount
- Working Mode: Master mode
- Power Supply: External 12 VDC
- Power Consumption: TBD
- Operating temperature: TBD
- Storage temperature: TBD
- Weight: ~ 307 g
- Allows customization

Applications

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

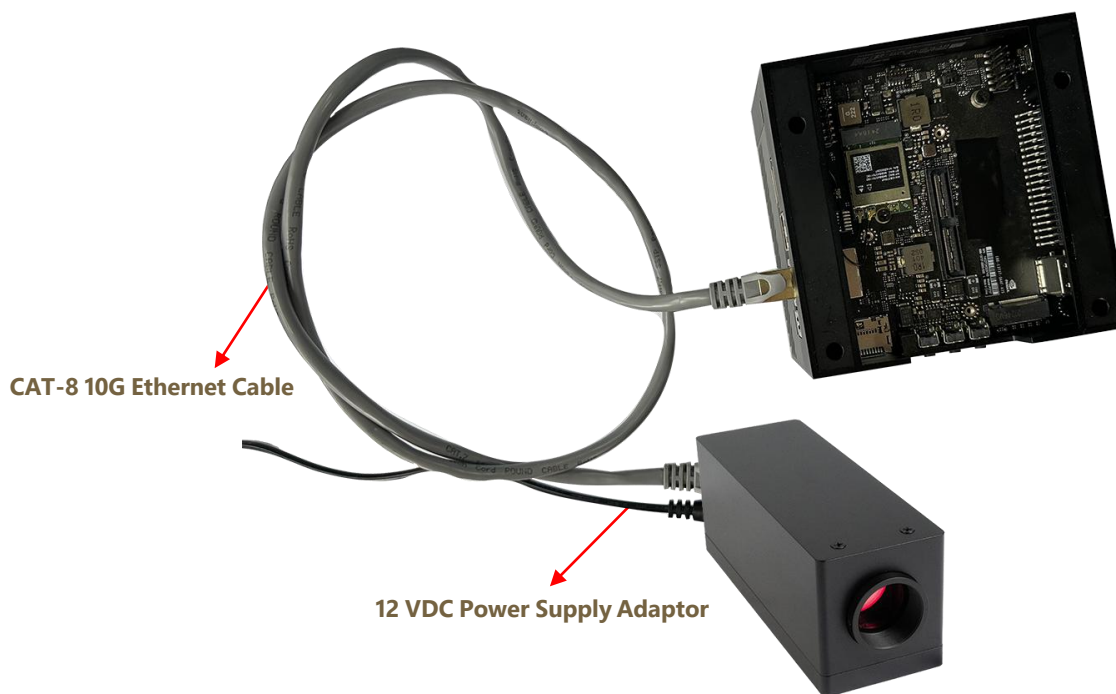


● BOM

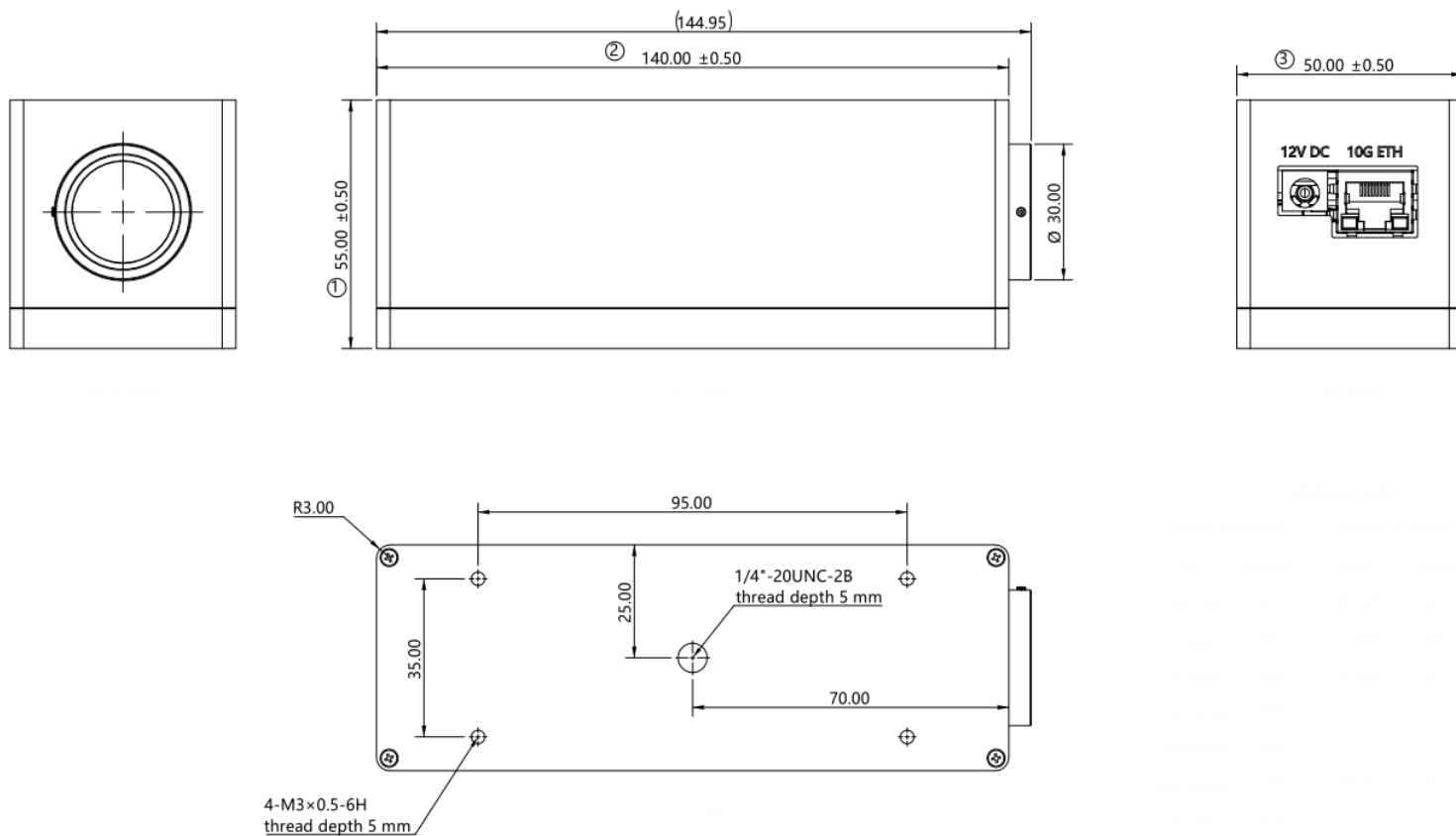
#	Items	QTY
1	LI-IMX530-10GigE-NL	1
2	CAT-8 10G Ethernet Cable	1
3	12 VDC Power Supply Adaptor	1

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
$0.5 < X \leq 3$	± 0.1	$0.5 < X \leq 3$	± 0.2	$X \leq 10$	$\pm 1^\circ$
$3 < X \leq 6$	± 0.1	$3 < X \leq 6$	± 0.5	$10 < X \leq 50$	$\pm 30'$
$6 < X \leq 30$	± 0.2	$6 < X \leq 30$	± 1	$50 < X \leq 120$	$\pm 20'$
$30 < X \leq 120$	± 0.3	$X > 30$	± 2	$120 < X \leq 400$	$\pm 10'$
$120 < X \leq 400$	± 0.5			$X > 400$	$\pm 5'$
$400 < X \leq 1000$	± 0.8				
$X > 1000$	± 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.	30 Sep 2025

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