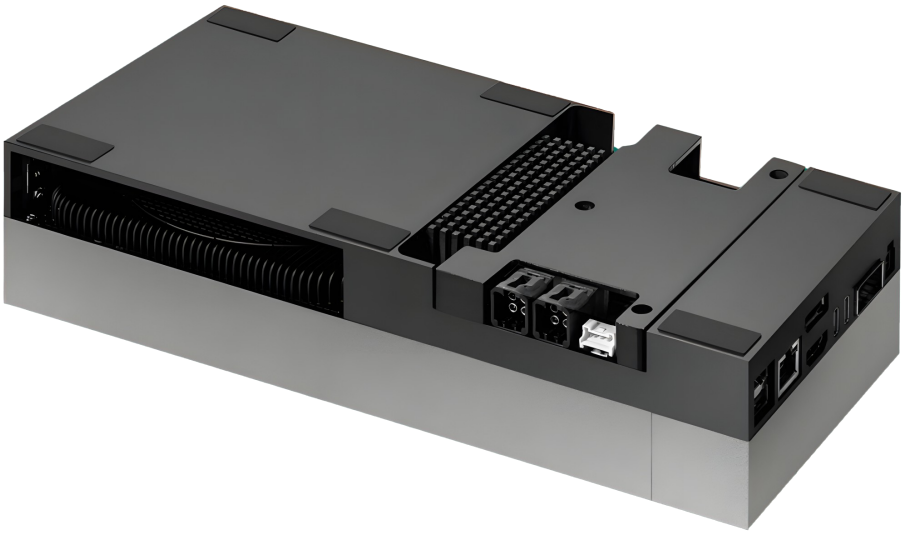
TRD1 G2A

www.sensing-world.com



KEY FEATURES

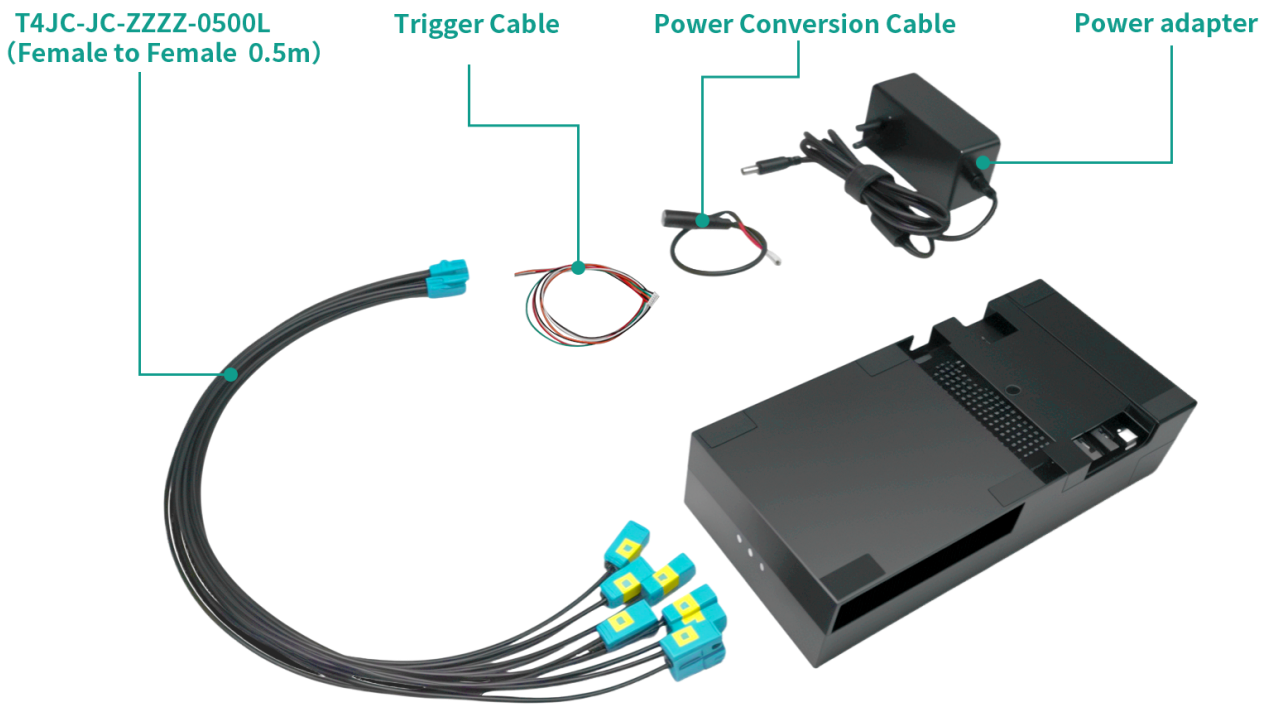
- Support NVIDIA JETSON THOR Platform
- Supported Camera Resolutions： Max 3840*2160
- Supported Camera Output Formats : RAW/YUV422
- Dimensions： L:243.12mm x W:112.4mm x H:56.88mm
- Compatible Camera Types： GMSL/GMSL2
- Maximum Supported Cameras： 8*GMSL
- SOC： NVIDIA Jetson T5000 Module
- Al Perfommance： 2070 TFLOPS
- Memory： 128 GB 256-bit LPDDR5X

Application

- Robotics
- Industrial
- Medical
- Inspection

ACCESSORIES

List of Accessories			
Serial number	Product model	Quantity	Remark
1	945-14070-0080-000-MIPI	1	up to 8 cameras at most
2	T4JC-JC-ZZZZ-0500L （Female to Female 0.5m）	2	Standard configuration
3	Trigger Cable	1	Standard configuration
4	Power Conversion Cable	1	Standard configuration
5	Power adapter	1	Standard configuration
6	Multi-functional conversion socket	1	**optional configuration**

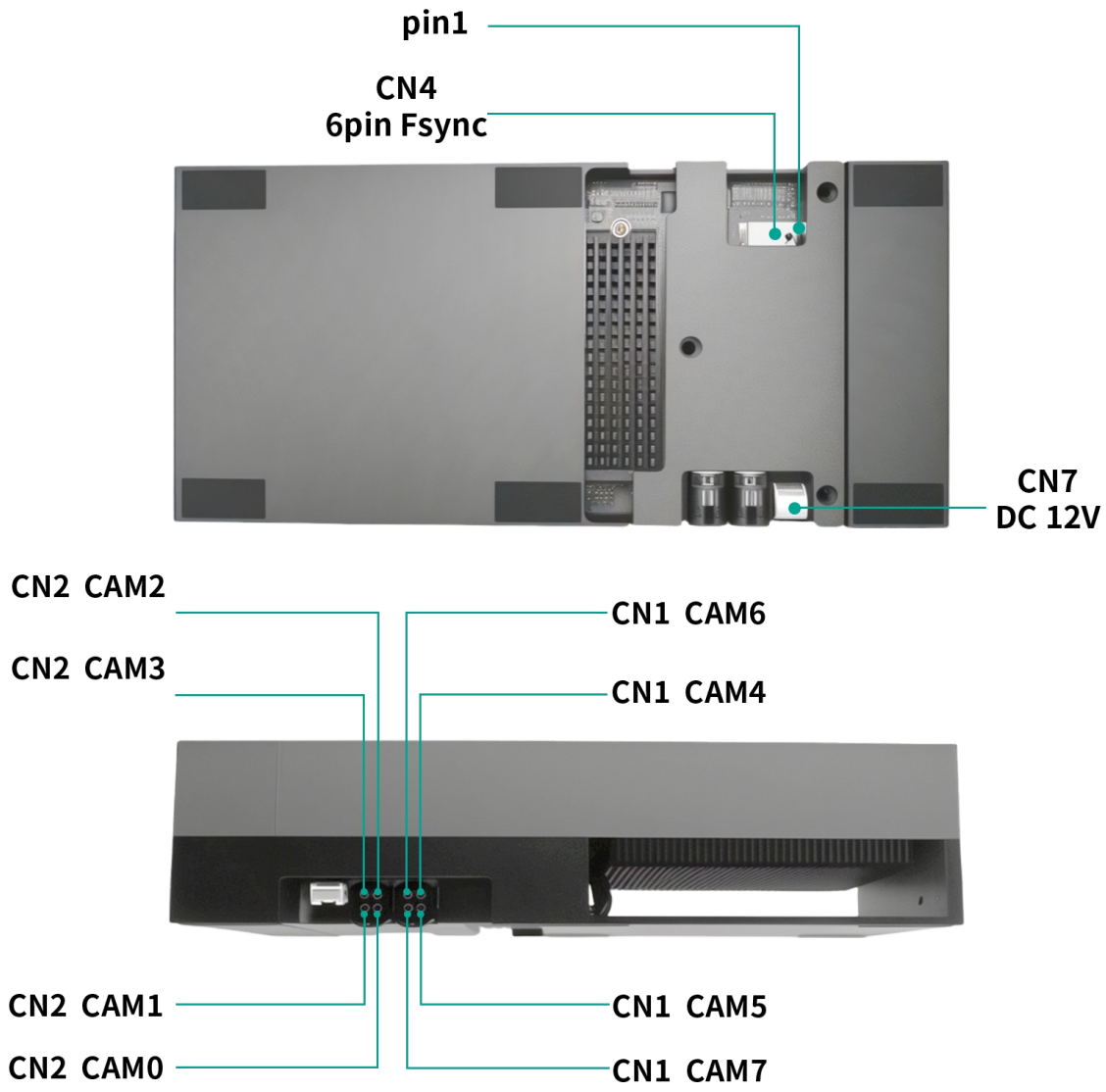


Supported Camera Combinations

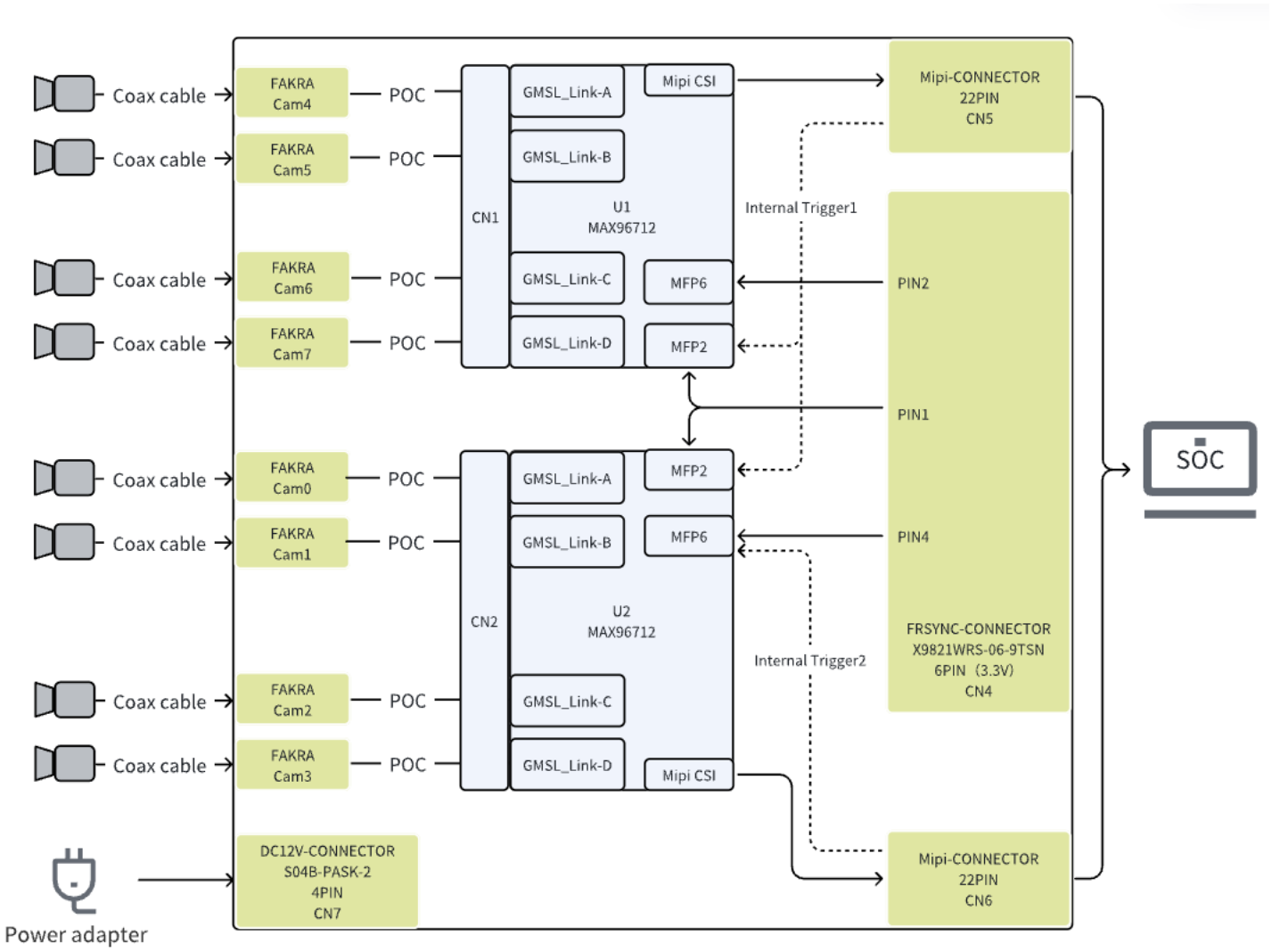
You may choose the following camera combinations to connect to the TRD1 G2A.

Camera Combination	Number of Supported Cameras	Remark
Comb. 1	4*8MP/30FPS	/
Comb. 2	8*3MP/30FPS	/
Comb. 3	6*5MP/30FPS	/
Comb. 4	2*8MP/30FPS+4*3MP/30FPS	/
Comb. 5	3*5MP/30FPS+4*3MP/30FPS	/
Comb. 6	2*8MP/30FPS+3*5MP/30FPS	/

BLOCK DIAGRAM



BLOCK DIAGRAM



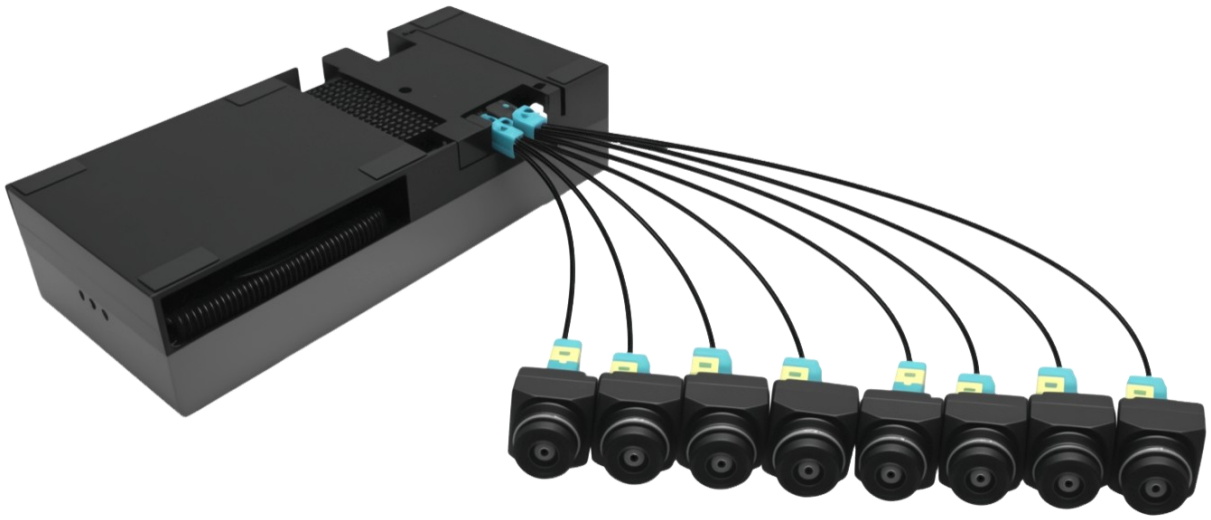
PLATFORMS SUPPORT

The GMSL camera can be connected to TRD1 G2A ,Please obtain the SDK driver through the Github link

Github link

nvidia-jetson-camera-drivers/Jetson AGX Thor Devkit at main · SENSING-Technology/nvidia-jetson-camera-drivers · GitHub

AGX Thor+GMSL Camera



Revision History

Version	Description	Release date
Rev1	First Release	Sep.2025
Rev2	Update Product Block Diagram	Mar.2026

Contact Us

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