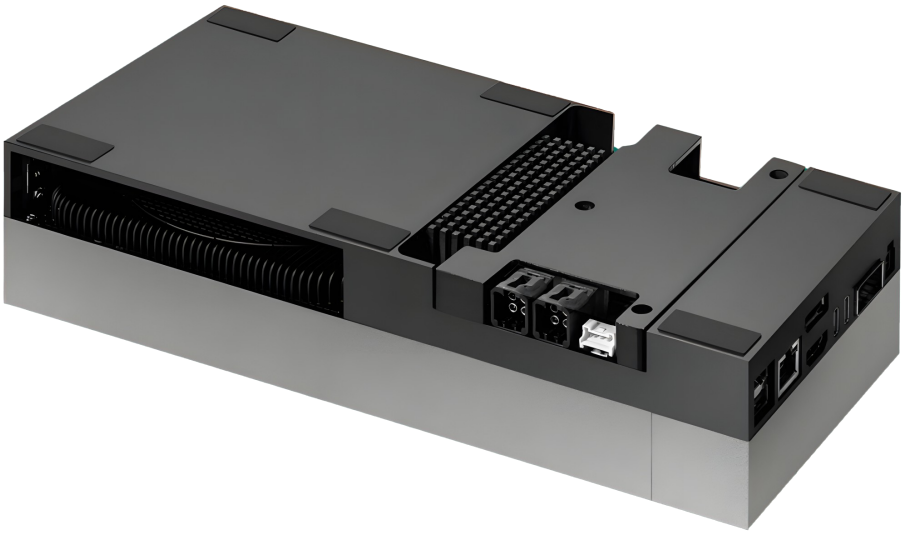
TRD2 G2A

www.sensing-world.com



KEY FEATURES

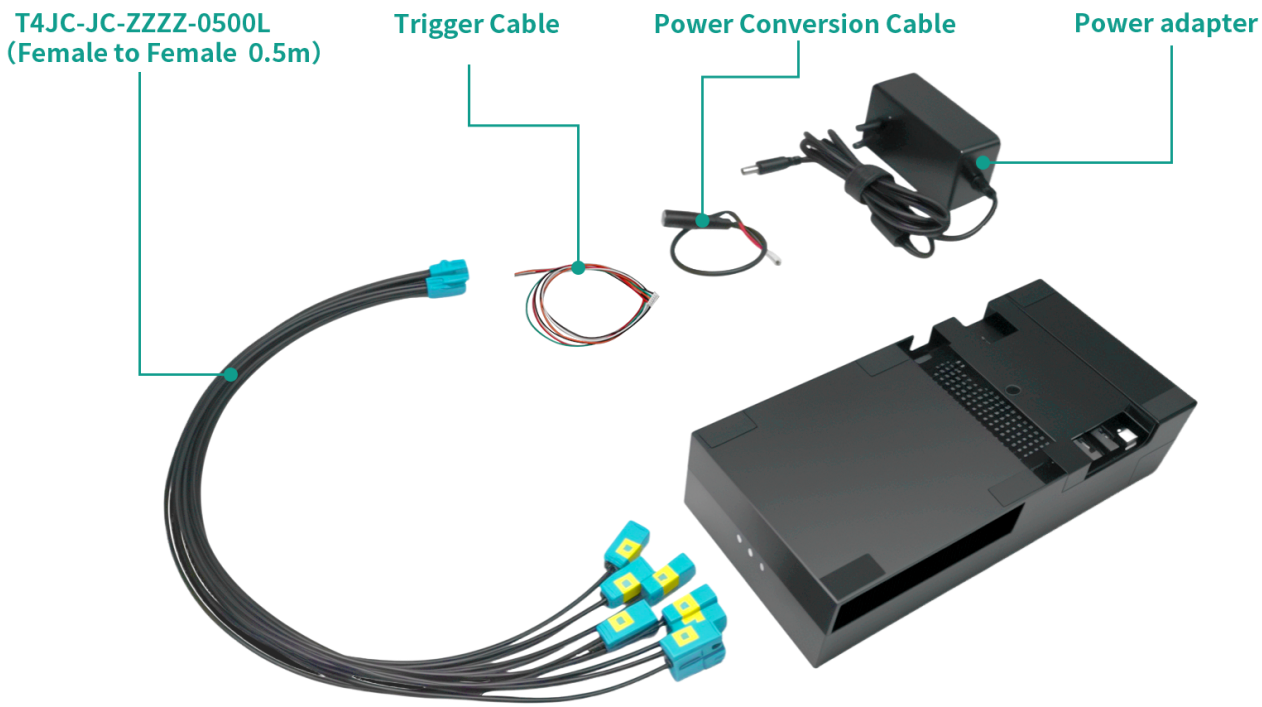
- Support NVIDIA JETSON THOR Platform
- Supported Camera Resolutions： Max 3840*2160
- Supported Camera Output Formats : RAW/YUV422
- Dimensions： L:243.12mm x W:112.4mm x H:56.88mm
- Compatible Camera Types： GMSL/GMSL2
- Maximum Supported Cameras： 8*GMSL
- SOC： NVIDIA Jetson T5000 Module **（Prepared by customer ）**
- 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**

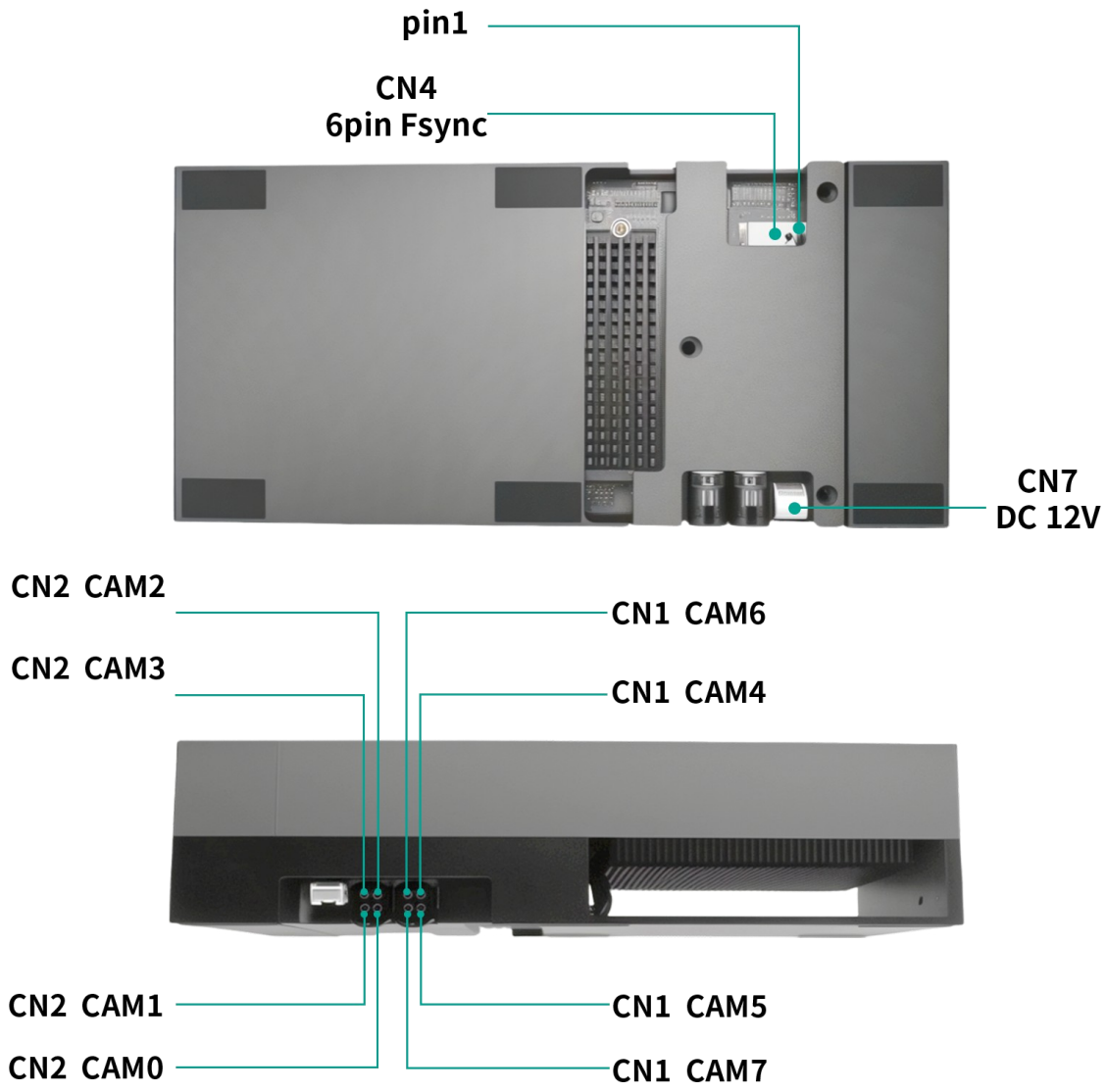


Supported Camera Combinations

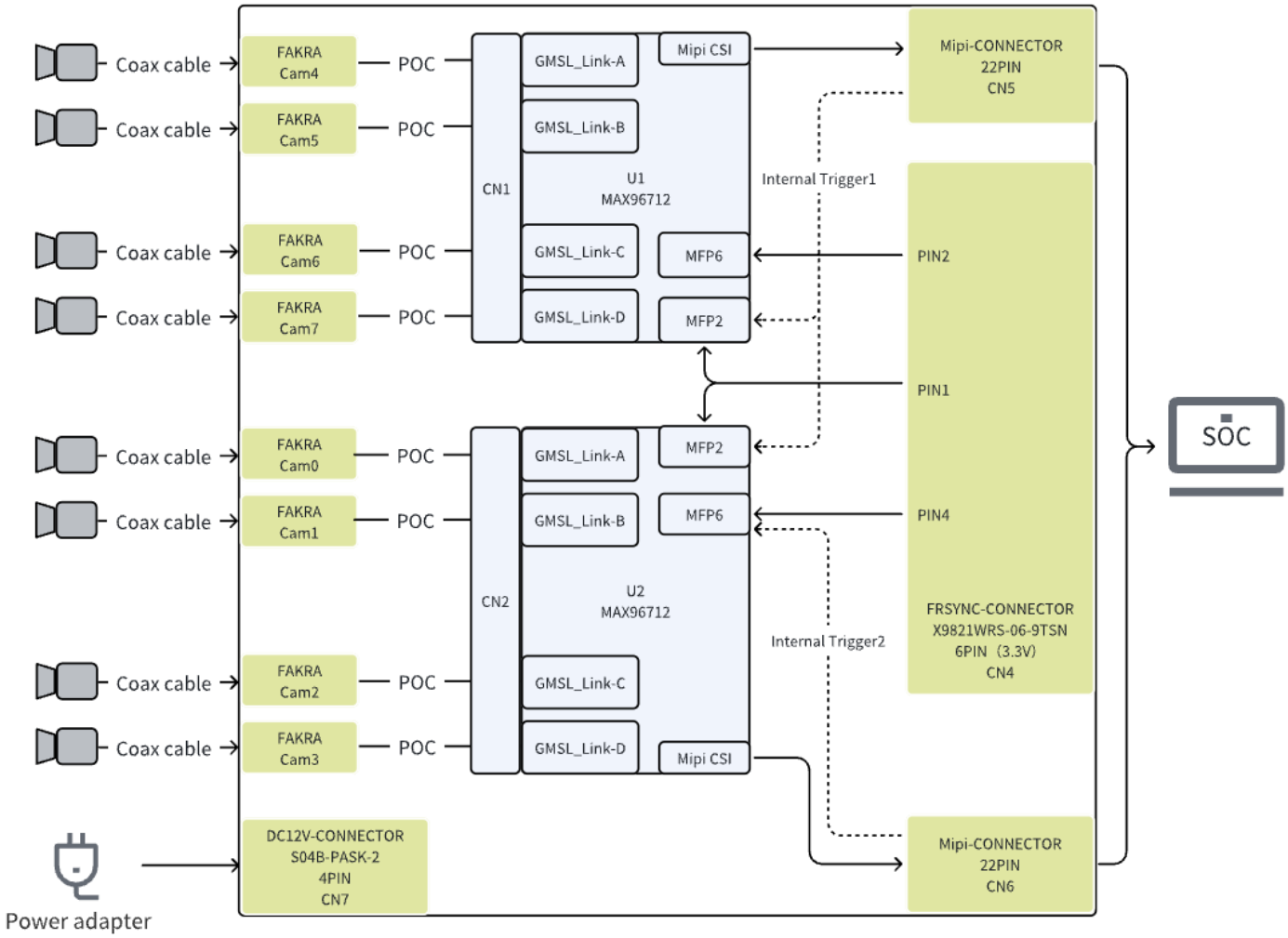
You may choose the following camera combinations to connect to the TRD2 G2A.

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



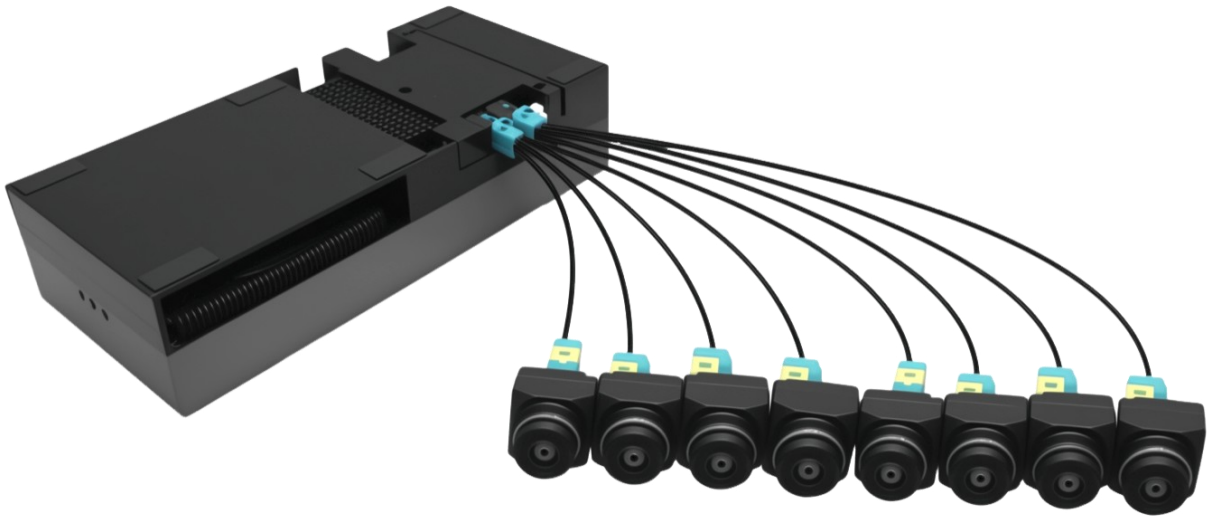
PLATFORMS SUPPORT

The GMSL camera can be connected to TRD2 G2A ,Please obtain the SDK driver through the Github link

Github link

nvidia-jetson-camera-drivers/Jetson AGX Thor Devkit/TRD1_G2A/JetPack7.0 at main · SENSING-Technology/nvidia-jetson-camera-drivers · GitHub

AGX Thor+GMSL Camera



Installation Guide

Before operating the TRD2 G2A development kit, please install the T5000 core module. For the disassembly and assembly of the TRD2 G2A, refer to the installation video provided below.

Bilibili：https://www.bilibili.com/video/BV1wgDYBpE34/?spm_id_from=333.1387.homepage.video_card.click

YouTube：https://youtu.be/BerkHTW528o?si=oqjj0Clsw8HRoNX-



Revision History

Version	Description	Release date
Rev1	First Release	Mar.2026

Contact Us

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