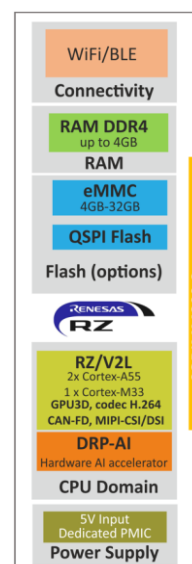**RZ Ecosystem Partner Solution**

SoMLabs VisionSOM-V2L

Solution Summary

The VisionSOM-V2L is a small size, and energy-efficient SoM (System on Module) equipped with dual core, heterogenous RZ/V2L MPU with hardware AI accelerator. The VisionSOM-V2L has high-speed communication interfaces such as dual USB2.0 and Gigabit Ethernet, dual CAN-FD, and many multimedia functions including 3D graphics engine with Arm Mali-G31 and video codec (H.264), making it ideal for applications such as industrial HMI and embedded devices with video capabilities.

Features/Benefits

- Heterogenous Arm Cortex®-A55 Dual core RZ/V2L @1.2GHz + Cortex-M33 @200MHz
- Built-in AI accelerator DRP-AI
- Equipped with eMMC and DDR4 memory
- Equipped with on-board WiFi/BT-BLE and antenna connector
- Edge Connector Features (Dual Giga Ether, USB, MIPI-DSI/MIPI-CSI, CAN, UART/SPI/I2C serial communication, on-board ADC)
- Small SODIM200 footprint (67x32 mm)
- Carrier Board and Linux BSP available

Diagrams/Graphics

Target Markets and Applications

- Industrial monitoring systems
- Medical devices
- Smart city (Edge devices)

- Intelligent cameras
- UAVs
- EV sub systems

https://somlabs.com/product/visionsom-v2l-sls22/

SoMLabs

Lwowska 5

05-120 Legionowo

Poland

Tel. +48 22 767 36 20

Email: somlabs@somlabs.com