



H22 SoM GMSL2 camera Evaluation kit

- Based on Rhonda H22 System on a Module
- Reference cameras based on Sony® Exmor RS™ image sensor
- Two camera connector FAKRA ports
- Supports coaxial cables up to 15m
- Video processing up to 800 MPixel/s (4Kp60)
- High-efficiency video encoding
- Rhonda pre-tuned image quality
- Premier platform for evaluation and prototyping
- Off-the-shelf UVC video streaming flow
- Available in a single-piece volumes

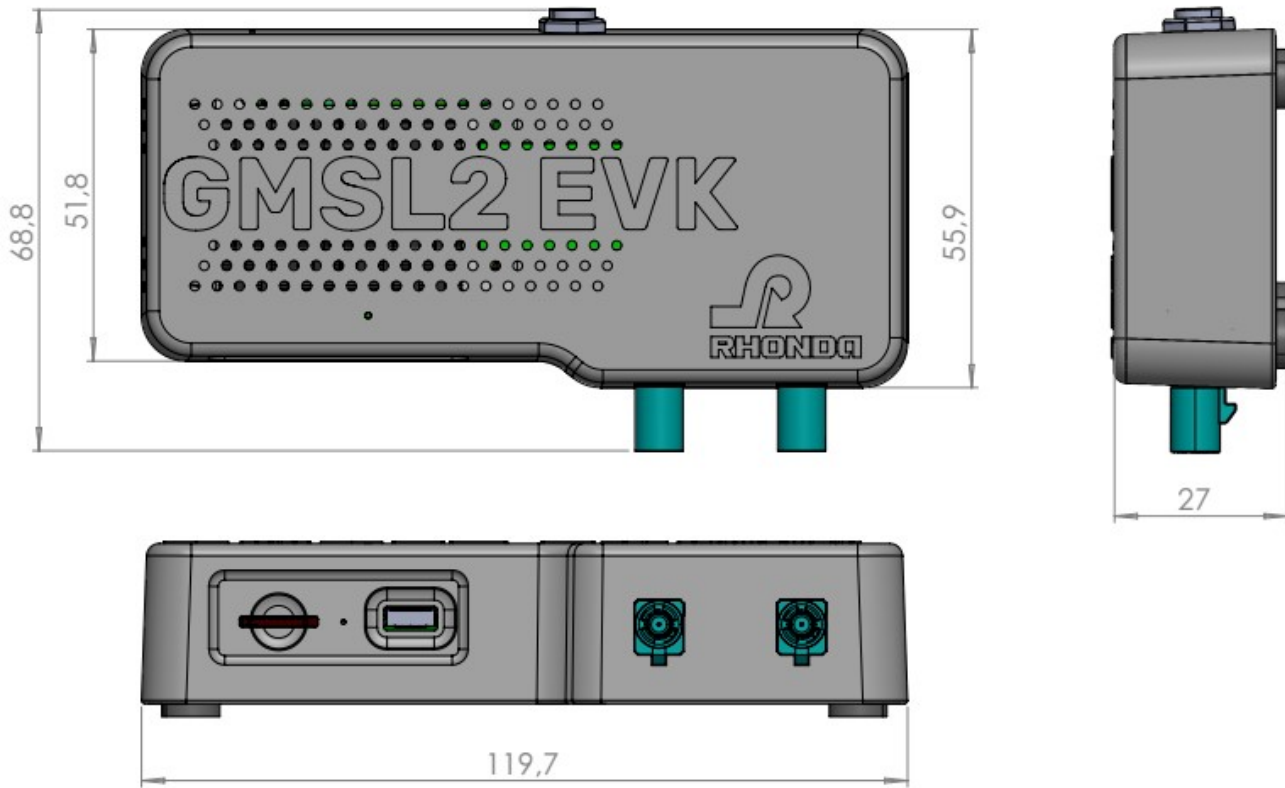


Rhonda H22 System On Module – based GMSL2 evaluation kit provides an end-to-end setup for video capture by up to 2 camera modules, GMSL2 transmission via up to 15m cables with almost zero latency, processing on SOC and output to host device. H22 SOM is a low-power, ready-to-integrate and ready-to-production hardware platform for robotics and micro-mobility applications.

The evaluation kit supplies complete with:

- **CV25 SOM GMSL2 EVK:**
 - Ambarella® H22S85N™ SoC
 - H264/MJPEG encoding
 - 8Gbit LPDDR4 DRAM
 - 2Gbit NAND boot memory
 - Wi-Fi (802.11a/b/g/n/ac)
 - Flexible Wi-Fi antenna
 - GMSL2 deserializer board with 2 FAKRA ports
- **Reference GMSL2 camera module**
 - Sony® Exmor R™ IMX 577 image sensor
 - 12Mpx (Type 1/2.3")
 - Sunny Optical SYD1201 lens
 - ~120° horizontal FOV
 - GMSL2 serializer board
- FAKRA-Z coaxial cable
- Micro-USB cable
- 12V DC power adaptor

GMSL2 EVK dimensions



Reference camera module dimensions

