



LI-XNX-BOX-GMSL2



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INTRODUCTION

The LI-XNX-BOX-GMSL2 includes Nvidia Jetson Xavier NX™ SOM, Xavier NX carrier board, De-Serializer adapter board with Maxim GMSL2 MAX9296A and passive cooling aluminum case. This product supports GMSL2 cameras with Maxim GMSL2 MAX9295A.

KEY FEATURES

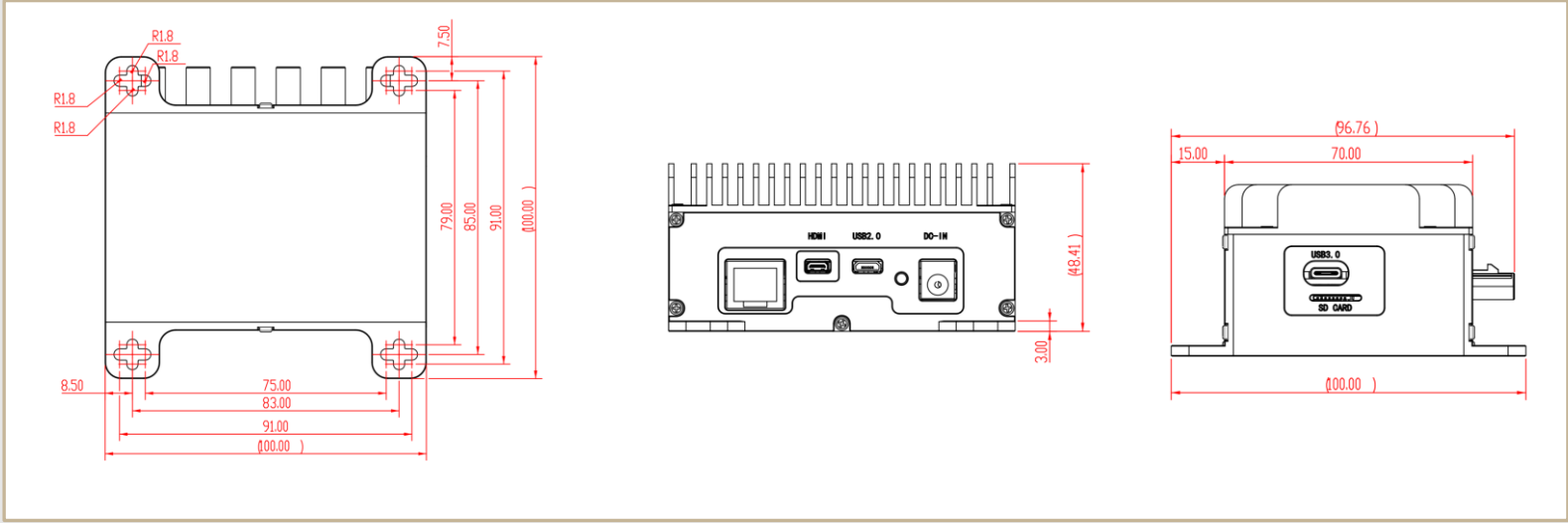
- Nvidia® Jetson Xavier NX™ SOM Included
- CPU: NVIDIA Carmel ARMv8.2 (6-core) @ 1.4GHz (6MB L2 + 4MB L3)
- GPU: 384-core Volta @ 1100MHz + 48 Tensor Cores
- DL: Dual NVIDIA Deep Learning Accelerators
- Memory: 8GB 128-bit LPDDR4x @ 1600MHz | 51.2GB/s
- Storage: 16GB internal eMMC 5.1
1 M.2 PCIe interface
1 Micro SD card interface
- Vision: 7-way VLIW Vision Accelerator
- Encoder: (2x) 4Kp30, (6x) 1080p60, (12x) 1080p3
- Decoder: (2x) 4Kp60, (4x) 4Kp30, (12x) 1080p60
- Wireless: 1 M.2 PCIe interface
- Ethernet: 10/100/1000 BASE-T Ethernet
- Camera: 6 GMSL2 interfaces (14 lanes MIPI CSI-2 | 2.5 Gbps per lane)
- Connector: FAKRA Z TYPE
- DeSerializer: Maxim MAX9296A
- Single Coax Cable transmit up to 12 meters PoC (Power over Cable)
- Operating Temperature: -20°C - +70°C
- Includes 4 mounting holes
- Weight: TBD
- Dimensions: 100mm(L) x 100mm(W) x 48.41mm(H)
- Part#: **LI-XNX-BOX-GMSL2**

INTERFACES

- 6 GMSL2 interfaces
- 1 Micro SD card interface
- 1 Micro HDMI connector
- 1 Power socket (DC 12V)
- 1 RJ45 Ethernet connector
- 1 USB 3.0 Type-C interface
- 1 USB 2.0 micro B interface
- 1 M.2 PCIe port
- REC, RST and PWR buttons included



DIMENSIONS



BOM

#	Items	QTY
1	LI-XNX-BOX-GMSL2	1
2	LI-PS12-02 power adapter	1
3	USB 2.0 Type A - Micro B cable	1

● REVISION HISTORY

Revision	Description	Release date
1.0	First Release	09. Aug. 2020
1.1	Add more spec information	13. Sep. 2020

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