

eNVP-JNX-IV-V0008

NVIDIA Jetson Xavier NX AI Mobile Network Video Recorder Supporting 8-Channel PoE IP Cameras

Preliminary



Features

- Fanless AI Network video recorder platform
- 6-core NVIDIA Carmel ARM®v8.2 64-bit CPU 6MB L2 + 4MB L3 processor
- NVIDIA Volta™ architecture with 384 NVIDIA CUDA® cores
- Onboard 8 GB 128-bit LPDDR4x @ 1600 MHz 51.2GB/s
- Supports 8 PoE ports
- Supports one HDMI display output
- Supports Ethernet x 9 ports (PoE x 8, GbE x 1)
- Supports ONVIF 2.0, 2MP IP camera up to 16 channels
- Supports AI functions
- CE, FCC certified; (EN50155, E-Mark project-based)

Specifications

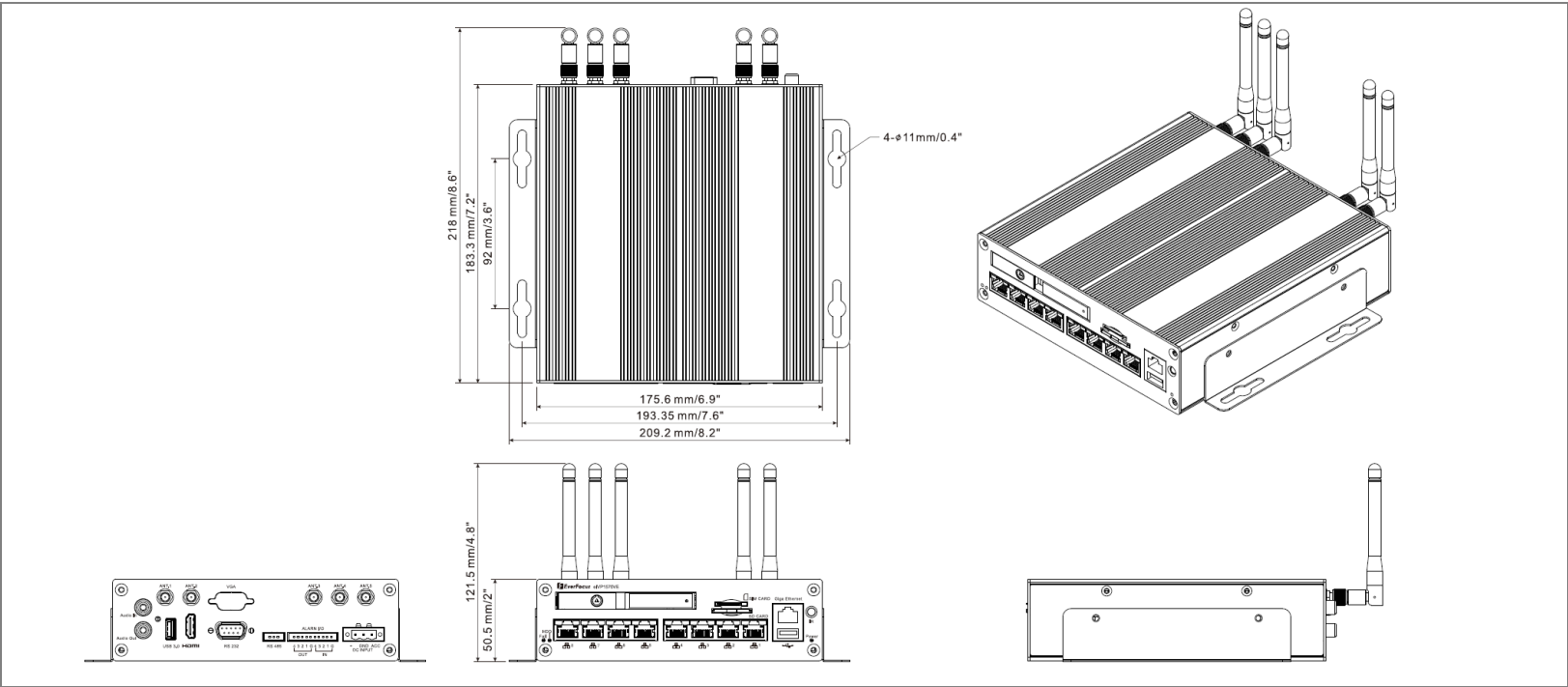
Model No.		eNVP-JNX-IV-V0008
System	CPU	6-core NVIDIA Carmel ARM®v8.2 64-bit CPU 6MB L2 + 4MB L3 processor
	GPU	NVIDIA Volta™ architecture with 384 NVIDIA CUDA® cores (21 TOPS [INT8])
	Main Memory	Onboard 8 GB 128-bit LPDDR4x @ 1600 MHz 51.2GB/s
	OS	16 GB eMMC 5.1
Video	Format	H.265 / H.264
	Video Input	SKU1: IP camera x 16;
	Video Output	1x HDMI 2.0 a/b maximum 3840 x 2160; VGA x 1 (optional)
	Resolution	4K @ 60fps x 2 4K @ 30fps x 4 1080p @ 30fps x 16
Audio	Audio Input	RCA x1
	Audio Output	RCA x1
Recording	Format	H.265 / H.264
	Resolution	4K @ 60fps x 2 4K @ 30fps x 4 1080p @ 30fps x 16
Storage	SATA SSD	1 x 2.5" SATA (removable)
	RAID	NA
Network	Ethernet	GbE port x1, PoE ports (10/100 MbE, total 75W): SKU1 x 8 PoE
	Wi-Fi	Optional
	3G / 4G	Optional
	GPS / G-Sensor	Onboard G-Sensor, GPS (optional)
Alarm	Alarm Input	Alarm Input x 4
	Alarm Output	Alarm Output x 4

Interface	Front I/O Panel	Power button x 1 IR receiver x 1 USB 2.0 x 1 GbE port x 1; PoE port x 8	Micro USB2.0 (Internal OTG) x 1 2.5" SSD bay x 1 SIM card slot x 1 LED indicator x 2 (HDD, Fail)
Interface	Rear I/O Panel	Audio input x 1, Audio output x 1 USB 3.0 x 1, RS-232 x 1, RS485 x 1 HDMI x 1	Alarm IO (4-input, 4-output) x 1 Power input x 1 Antenna port x 5
	Expansion Slot	Mini PCIe x 2 (full-size USB2.0 x 1, half-size USB2.0 x 1)	
General	Power Supply	DC 9 – 36V (with ignition pin)	
	Dimensions (W x D X H)	175.6 x 183.3 x 50.5mm / 6.9" x 7.2" x 2" (without bracket)	
	Gross Weight	1.8kg / 4lb	
	Operating Temperature	-4°F ~149°F (-20°C ~+65°C)	
	Storage Temperature	-4°F ~185°F (-20°C ~+85°C)	
	Storage Humidity	95% @ 40 °C (non-condensing)	
	Vibration/Shock	MIL-STD-810G	
	Certification	CE, FCC certified; (EN50155, E-Mark project-based)	

Note: All specifications are subject to change without notice.

Dimension

Unit: mm



Ordering Information

SKU	Part Number	CPU	Memory	Display	2.5" SATA HDD	LAN	USB	RS232/485	Power
SKU1	TBD	6-Core ARM	LPDDR4 (8GB)	HDMI x 1	1	GbE x 1 PoE x 8	USB3.0 x 1 USB2.0 x 1 Micro USB2.0 x 1	RS232 x 1 RS485 x 1	9 – 36VDC