

eIVP1570VE-CB

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



Features

- Fanless AI Network video recorder platform
- Quad-core ARM® Cortex®-A57 MPCore processor
- NVIDIA Maxwell™ architecture with 128 NVIDIA CUDA® cores
- Onboard 4 GB 64-bit LPDDR4 memory
- 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 8 channels
- Supports AI functions
- EN50155, E-Mark, CE, FCC certified

Note: SOM needs to be purchased separately



AI NVR (AI Network Video Recorder)

EverFocus Video Analysis AiO Platform

Nvidia SDKs

- JetPack
- DeepStream
- TensorRT
- CUDA
- Video CODEC
- Image Processing
- cuDNN

EverFocus Board Support Package

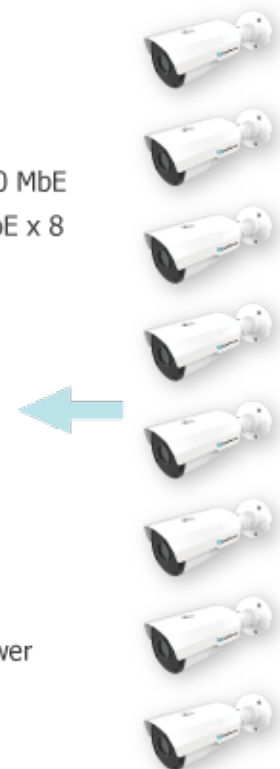
- HDMI x 1
- USB 3.0 x 1
- USB 2.0 x 1
- GbE (RJ45) x 1
- RS-485 x 1
- RS-232 x 1
- Micro USB 2.0 x 1
- 40 Pins Expansion Header
- Mic & Speaker

Jetson Nano Module

- Cortex-A57
- Maxwell GPU
- 4GB LPDDR4
- 16 GB e.MMC
- Video Decoder (1080p30 x 8)
- Video Encoder (4Kp30)
- SATA Storage

10 /100 MbE with PoE x 8

Power



Specifications

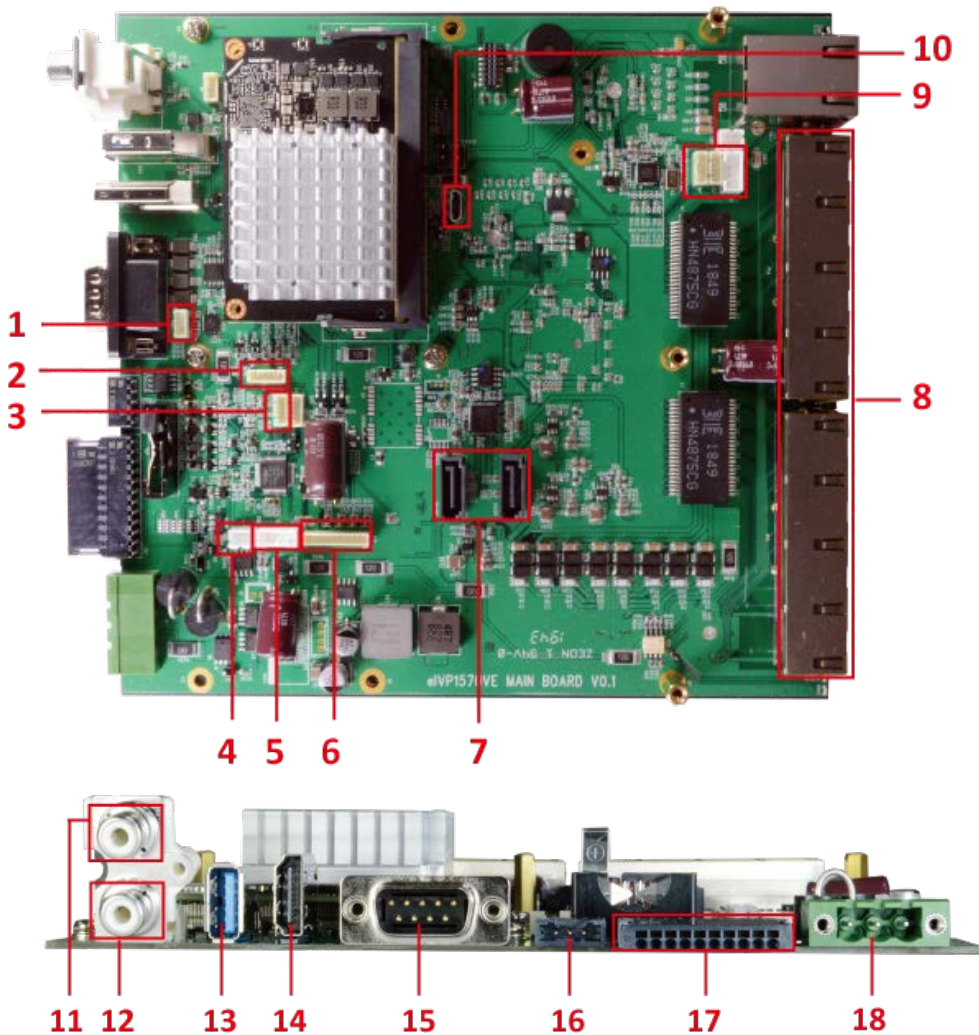
Model No.		eIVP1570VE	
System	CPU	Quad-core ARM® Cortex®-A57 MPCore processor	
	GPU	NVIDIA Maxwell™ architecture with 128 NVIDIA CUDA® cores	
	Main Memory	Onboard 4 GB 64-bit LPDDR4	
	OS	16 GB eMMC	
Video	Format	H.265 / H.264	
	Video Input	SKU1: IP camera x 8 ; SKU2: IP camera x 4, analog camera x 4 (M12 to BNC x 4, with DC-Jack x 4 (total 2A))	
	Video Output	1x HDMI 2.0 a/b maximum 3840 x 2160; VGA x 1 (optional)	
	Resolution	1 x 4K @ 60fps 2 x 4K @ 30fps 8 x 1080p @ 30fps	
Audio	Audio Input	RCA x1	
	Audio Output	RCA x1	
Recording	Format	H.265 / H.264	
	Resolution	4K @ 60fps 2x 4K @ 30fps 8x 1080p @ 30fps	
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, SKU2 x 4 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, EN50155, E-Mark		

Note: All specifications are subject to change without notice.

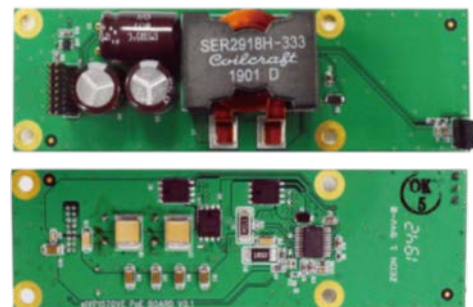
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NVIDIA Jetson Nano Carrier Board

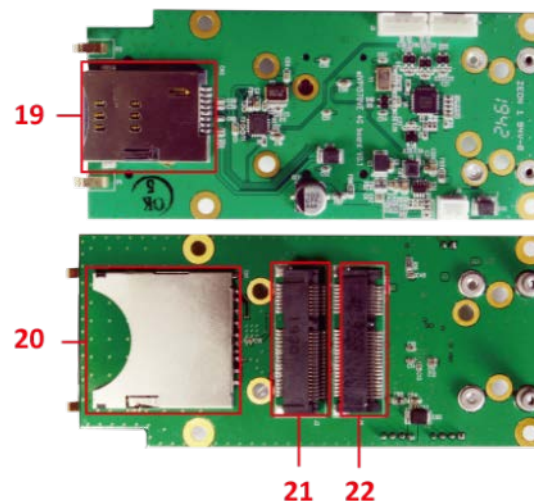
Carrier Board



Power Board



Front Board



eIVP1570VE-CB			
1	Console	12	Audio In
2	VGA	13	USB 3.0
3	HDD Thermal sensor	14	HDMI
4	HDD Heater (reserved)	15	RS232
5	HDD Power	16	RS485
6	Video in / Camera Power	17	Alarm IO (4-input, 4-output)
7	SATA Port x 2	18	Power In
8	10/100 Ethernet PoE ports x 8	19	SIM Card slot
9	USB Port	20	SD Card slot
10	OTG	21	3G, 4G
11	Audio Out	22	GPS