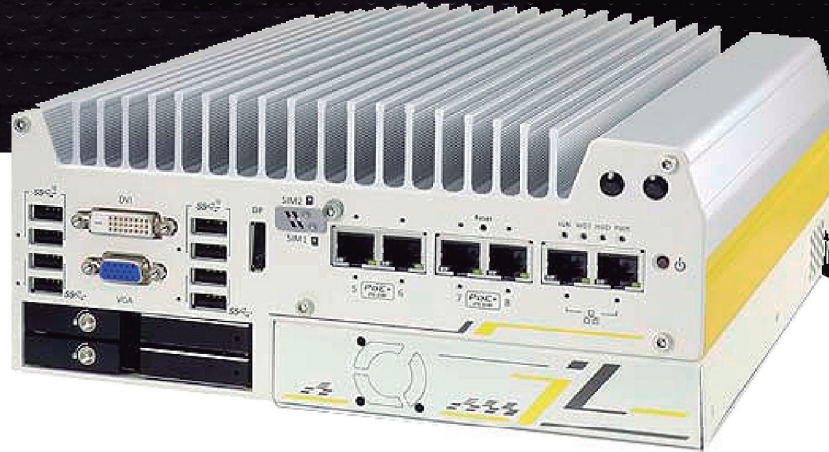


Rugged network video recorder TNVRN24



TNVRN24

TNVRN24 system is a heavy duty and rugged mobile NVR which is capable of wireless transmission through 3G and 4G, or WiFi, allowing you to record EOIR cameras and multisensors video and transmit it to a remote location.

Designed to work in a wide range of voltages, from 8-35vDC. and protected against power fluctuations, TNVRN24 is a fan-less high performance solution and with a wide working temperature range, all these features enable TNVRN24 to work in any harsh environment and climates.

TNVRN24 is able to record and playback 32 cameras in 1080p. resolution and record video in UHD resolution. Designed to work with high performance Intel i7 CPU to get all the performance required in demanding tasks, TNVRN24 special design makes the system to be ultra quiet and fanless. TNVRN24 is able to power up POE systems and able to display video in multiple monitors.

TNVRN24 as option can include several options like 3G and 4G video transmission, GPS and others.

Key features:

- **Compact and rugged aluminum body**
- **4 POE ports, optional 8 ports**
- **Able to record up to 960fps.**
- **Local recording up to 4TB. in HDD/mSATA or SSD.**
- **Windows base OS system**
- **RAID 0,1**
- **Fully vibration proof and fan-less**
- **3G/4G data transfer capability**
- **8-35v.DC ready**
- **Wide working temperature range**
- **Multiple monitor display**
- **Embedded VMS and video player**
- **Extreme temperature ready**
- **E-mark, MIL-STD, EN50155 certified**

Specifications:

TNVRN24	
Type	Fanless rugged mobile computer
OS	Windows 10, 64Bit
Processor	Intel® Core™ i7-8700T/ i7-9700TE
Socket type	Supports Intel® 9th/8th-Gen Coffee Lake CPU (LGA1151 socket, 35W TDP)
Chipset	Intel® Q370 platform controller hub
Graphics	Integrated Intel® HD Graphics 630
Memory	Up to 64 GB DDR4 2666/ 2400 SDRAM (two SODIMM slots)
AMT	Supports AMT 12.0
TPM	Supports TPM 2.0
Ethernet	2x Gigabit Ethernet ports by Intel® I219 and I210
POE+	4x IEEE 802.3at (25.5W) Gigabit PoE+ ports by Intel® I210, RJ45 connector*
CAN	1x CAN 2.0 port
Isolated DIO	4x isolated DI and 4x isolated DO
USB	4x USB 3.0 ports via native xHCI controller, 4x USB 2.0 ports
Video port	1x VGA connector, supporting 1920 x 1200 resolution 1x DVI-D connector, supporting 1920 x 1200 resolution 1x Display Port connector, supporting 4096 x 2304 resolution
Serial port	2x software-programmable RS-232/422/485 ports (COM1/ COM2) 2x RS-232 ports (COM3/ COM4)
Communication	2X 3G/4G, WIFI optional
Audio	1x Mic-in and 1x Speaker-out
SATA HDD	2x hot-swappable HDD tray for 2.5" HDD/ SSD installation, supporting RAID 0/1
M.2	2x M.2 2242 B key socket, one with dual front-accessible SIM sockets, supporting dual SIM mode with selected M.2 LTE module
PCI Express	1x PCIe x16 slot @Gen3, 16-lanes PCIe signals in Cassette
mSATA	1x full-size mSATA port (mux with mini-PCIe)
Mini PCI-e	1x full-size mini PCI Express socket with internal SIM socket (mux with mSATA) 2x full-size mini-PCIe sockets (USB signals only) with internal SIM sockets
DC input	1x 3-pin pluggable terminal block for 8~35VDC DC input
Rem. control	1x 3-pin pluggable terminal block for remote control and PWR LED output
Working temp.	-40°C/ 70°C **, ***
Storage temp.	-40°/ 85°C
Humidity	10%~90% , non-condensing
Vibration	Operating, MIL-STD-810G, Method 514.6, Category 4
Shock	Operating, MIL-STD-810G, Method 516.6, Procedure I, Table 516.6-II
EMC	EN 50155, E-Mark, CE/FCC Class A, according to EN 55022 & EN 55024
Size	240 mm (W) x 225 mm (D) x 103 mm (H)
Weight	3.7 Kg.
Mounting	Patented damping bracket (standard) or optional DIN-Rail mounting
Certifications	CE, FCC, E-mark E13, EN50155

Tanz Security reserves the right to change products or specifications without notice.

* M12 connecto

** For i7-8700 running at 65W mode, highest operating temperature shall be limited to 50°C and thermal throttling may occur in sustained full-loading. Users can configure CPU power to obtain higher temperature.

*** For sub-zero operating temperature, a wide temperature HDD or Solid State Disk (SSD) is required.