

VT-TNR818PN

Transcendent Series NDAA Compliant 8 Channel 4K
8 MegaPixel Real Time PoE Network Video Recorder



KEY FEATURES

- 8-Channel Stand-Alone Real-Time IP Network Video Recorder
- Supports IP cameras up to 8MP (4K) resolution
- Real-time recording at 240fps total (30fps per channel)
- Supports Camera-Based Analytics Events, including Line Crossing, Intrusion Detection, Object Abandoned/Missing, Human & Vehicle Classification, License Plate Recognition (LPR), Video Metadata, and more*
- Built-in 8-Port PoE switch for simple plug-and-play installation
- H.265S / H.265+ / H.265 / H.264 video compression
- Dual video outputs: 4K HDMI + VGA
- Pentaplex operation: Live, Record, Playback, Backup, Remote Access
- Supports 1× SATA HDD up to 20TB internal storage
- Supports both Dynamic and Static IP Addresses
- Network-based PTZ control
- Control locally via USB Mouse or with the included IR Remote control
- Remote viewing via Transcendent VMS, Web Browser, Windows®, Mac OS®, iOS® & Android® apps
- Transcendent VMS Compatible – Includes FREE Transcendent VMS Lite from VITEK, with optional Standard and Enterprise versions available for centralized live view, recording, event management, and advanced camera-based analytics across single- or multi-site systems.
- NDAA-compliant
- 3-Year Warranty



4K
8MP



VITEK TRANSCENDENT SERIES 4K (8MP) POE NETWORK VIDEO RECORDER

The VITEK Transcendent VT-TNR818PN is an NDAA-compliant 8-channel 4K PoE Network Video Recorder engineered for high-performance IP surveillance applications. Supporting real-time 8MP (4K) recording across all channels, the VT-TNR818PN combines powerful performance with simple installation through integrated PoE. Designed to work seamlessly with Transcendent IP cameras, it supports camera-based analytics event handling, robust remote management, and expandable storage up to 20TB, making it an ideal solution for commercial and enterprise security environments.



VITEK TRANSCENDENT PLATFORM:



VERSATILE SOLUTION
Remote viewing via Transcendent VMS, Web Browser, Windows®, macOS®, iOS® & Android®

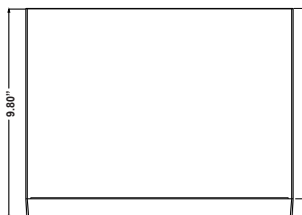
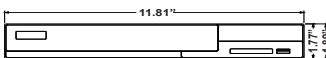


POWERFUL MOBILE APPS
Mobile Apps Available for Apple iOS® & Google Android®

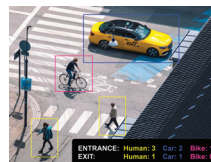


FREE MULTI-LOCATION VMS
Free VMS (Video Management Software) for Easy Management of Multiple Locations

DIMENSIONS



TRANSCENDENT GEN IV ANALYTICS SUPPORT!*



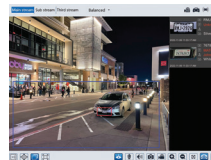
TARGET COUNTING
People, Vehicles, and Motor/Bicycles



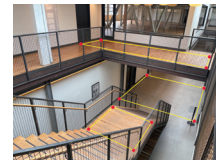
AUTO ZOOM TRACKING
Real-Time PTZ Auto-Tracking Powered by AI



VIDEO METADATA
Extract 13 features from humans / 4 from vehicles



ADVANCED LPR
License Plate Database for Access Control & Monitoring



AREA TRACKING
Fully Programmable Regional Intrusion Detection



LINE CROSSING
Track People or Vehicles as they Enter or Exit Designated Areas

*Analytics are processed by compatible cameras; the recorder and Transcendent VMS support analytics, event recording, search, playback, and alerts.

SPECIFICATIONS

Video Input / Resolution	8 IP Channels up to 8 MegaPixel (4K)
Main Monitor Output	1 × 4K HDMI / 1 × 1080P VGA
Multi Operation	Pentaplex: Live Display/Record/Playback/Backup/Remote Access
Recording Compression	H.265S / H.265+ / H.265 / H.264
OS	Embedded Linux
Recording	240fps (30fps per channel)
Audio over IP Inputs	8 (IP Camera Dependent)
Local Audio In/Out	IN: RCA x 1CH / OUT: RCA x 1CH
Two-Way Audio	YES
Encode	CBR / VBR
Quality Levels	11 level (According to Bit Rate)
Recording Modes	Manual / Timer / Motion / Sensor
Local Playback	Up to 8-channel simultaneous playback
Analytics Support	Supports camera-based analytics events including: Line Crossing (Tripwire), Intrusion Detection, Object Abandoned/Missing, Human & Vehicle Classification, License Plate Recognition (LPR), and Video Metadata*
Search	Time sliced image search, Time/Calendar search, Event (Motion, External alarm), Tag search
Alarm Modes	Sensor, Motion, Video loss, IP conflict, Disk error, Illegal access, Network disconnection
Alarm Inputs	IP Camera Dependent (No Local Input)
Alarm Triggering	Record, Snap, PTZ move, Alarm out, E-mail, etc
Network Interface	RJ45 × 1
PoE ports	RJ45 × 8, with PoE
PoE Standard	802.3af 12W max per port
Total PoE Budget	72W all ports
Bit Rate (Per Camera)	512Kbps ~ 10 Mbps (Adjustable)
Total Bandwidth	80Mbps Incoming / 80Mbps Outgoing
Dual-stream	Individual Network Video Stream and local recording stream, set separately
Network Protocols	TCP/IP, UDP, DHCP, DNS, PPPOE, DDNS, Email, UPNP, NAT, Telnet
Remote Viewing	Remote viewing via Transcendent VMS, Web Browser, Microsoft Windows®, Mac OS®, iOS® & Android® apps
Remote Users	10 Simultaneous Online Users
Backup	Network, USB
SATA HDD	SATA × 1, Max 20TB
PTZ Protocol	Through Network
USB	USB 2.0 × 2 (for mouse and USB backup device)
Power Cons./Supply	≤ 10W (Without HDD), 48V/2.5A
Working Environment	32°F to 122°F (0°C to 50°C), 10%–90% RH (non-condensing)
Dimensions (W × H × D)	11.81" × 1.77" × 9.80" (300mm × 45mm × 249mm)

*Analytics are processed by compatible cameras; the recorder and Transcendent VMS support analytics event recording, search, playback, and alerts.