Preliminary Specs: VT-TNR1646PF

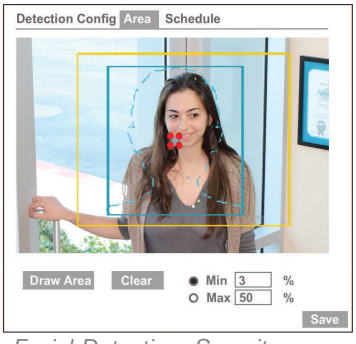
16 Channel 8 MegaPixel H.265 Network Video Recorder with 4K Output & 16 Port PoE Switch

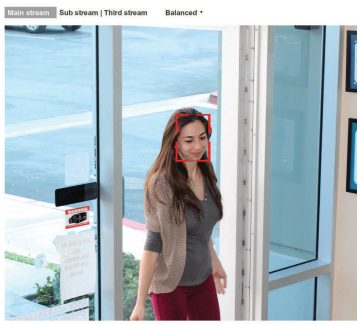
IP NETWORK VIDEO RECORDER | 8MP CAMERA SUPPORT | HD RECORDING UP TO 8MP | FACE DETECTION | PoE | H.265 | 4K OUTPUT | 1920 x 1080 VGA OUTPUT | UP TO 40TB INTERNAL STORAGE | AUDIO IN/OUT | MOBILE APPS | CMS | MAC OSX | RS485 & NETWORK PTZ CONTROL | eSATA HDD PORT

Transcendent Series Network Video Solutions combine the simplicity of Stand Alone, Plug and Play Recorders and surveillance cameras with professional features and versatile design options. Available in 4, 8, 32, 64, and 128 channel configurations, these simple to use and easy to install NVRs support High Definition IP security cameras up to 8 Megapixel. A perfect pairing with Transcendent IP Cameras for quick, professional installation offering a variety of viewing options such as Central Monitoring (CMS) and Internet Explorer along with simple yet intuitive IOS and Android apps. Both the Transcendent Hybrid TVI and Network recorders share the same client, CMS viewing platform and Mobile apps. Camera options include fixed, varifocal and vandal / weather resistant models.

FEATURES

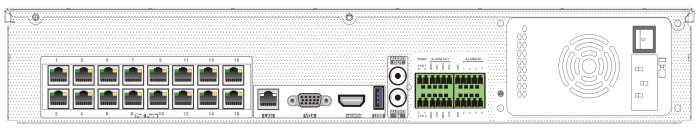
- 16 Ch. Stand-alone Real-time IP Network Video Recorder
- Full 8 MegaPixel Real-time Recording (480fps) with 16 Channel (480fps) playback
- H.265 / H.264 Compression
- 4K HDMI & VGA Video Outputs
- Supports Fully Programmable Intelligent Analytics Including Object Removal/Museum Search, Line Crossing, Exception and Area Intrusion Detection (Camera Dependent)
- Supports Facial Recognition and Detection with 16 Channels, and a 10,000 Picture Database. Features Facial Search-by-Picture, with the ability to add pictures through App, Web, and Local PC. Face Trace with resolution of 600×300 - 3840×2160.
- 360 Degree (Fish Eye Camera) De-Warping
- 8 Local Alarm Inputs / 4 Alarm Outputs
- Plug and Play & Auto configuration for many leading ONVIF compliant IP Camera models
- Internal 16-Port PoE Switch, 1 Gigabit LAN Port
- Pentaplex: Live Display / Record / Playback / Backup / Remote Access
- 4 Internal SATA2/SATA3 HDD Slots supporting up to 40TB (4 x 10TB HDD) Internal Storage
- RS485 & Network Based PTZ Control
- Applications for iOS® & Android®
- Remote Viewing over the Internet via Web Browser or LAN
- Mac OS® Client & CMS Software Included
- Supports Dynamic and Static IP Addresses
- Web-based remote configuration
- Control locally via USB Mouse, or with the Included IR Remote control
- Mountable / Heavy Duty Rack Ears Included





Facial Detection: Security personnel can determine who entered / left restricted areas and at what time.

Fish Eye De-Warping: Multiple Views include 360° Overview, Double 180° Panorama View, Quad View, Overview + 3 Views, and Single View



Rear Connections

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE | ANDROID APP ON Google play | Download on the App Store

VITEK INDUSTRIAL VIDEO PRODUCTS, INC.

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TRANSCENDENT VITEK
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16 Channel 8 MegaPixel H.265 Network Video Recorder with 4K Output & 16 Port PoE Switch

VT-TNR1646PF Specifications

Video Input / Resolution	16 IP Channels up to 8 MegaPixel
Main Monitor Output	1 x 4K HDMI / 1 x 1080P VGA
Multi Operation	Pentaplex: Live Display / Record / Playback / Backup / Remote Access
Recording Compression	H.265 / H.264
OS	Embedded Linux
Recording	480fps (30fps per channel)
Audio over IP Inputs	16 (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
File Management	Reserving time, Redundancy, Dual stream recording
Local Playback	16CH
Intelligent Analytics	Object Removal/Museum Search, Line Crossing, Exception and Area Intrusion Detection (Camera Dependent)
Face Detection Channels / Database	240 pictures / minute
Face Detection: Search by Picture	Add, Modify, Delete and Search Face Pictures
Face Detection: Adding face pictures	Resolution (64×64 - 1920×1080), jpeg below 200KB
Face Detection: Face Trace Map	Resolution (600×300-3840×2160), jpeg below 200KB
360° Camera De-Warping	Multiple Views include 360° Overview, Double 180° Panorama View, Quad View, Overview + 3 Views, and Single View
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 / Output / Triggering	8CH / 4CH / Record, Snap, PTZ move, Alarm out, E-mail, etc
Network Interface	RJ45 x 1
PoE Ports / Standard / Total PoE Budget	RJ45 x 16, with POE / 802.3af 15W max per port / 150W all ports
Bit Rate (Per Camera)	512Kbps ~ 10 Mbps (Adjustable)
Total Bandwidth	256Mbps Incoming / 256Mbps Outgoing
Dual-stream	Individual Network Video Stream and local recording stream, set seperately
Network Protocols	TCP/IP, UDP, DHCP, DNS, PPPOE, DDNS, Email, UPNP, NAT, Telnet
Internet-streaming	Total 95 task resource (Local+Remote) 16 CH IE playback
Remote Viewing	CMS / Web Browser / Mobile Platforms
Remote Users	10 Simultaneous Online Users
Backup	Network, USB
SATA HDD	SATA x 4, max to 10TB each (40TB Total)
RS485	RS485 x 2 (for PTZ and Keyboard)
PTZ Protocol	Through Network or RS485 (Pelco D / Pelco P)
USB	USB 2.0 x 1 + USB 2.0 x 1 (for mouse and USB backup device)
Power Consumption / Supply	≤ 15W (Without HDD) / AC 110/220V (ATX 300W)
Working Environment	32°~122°F @ 10% ~ 90% RH
Dimensions (Metric) / Weight (Metric)	17.3 x 15.4 x 2.8" (440 x 390 x 77mm) / 15.19lbs (6.89kg)

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