VT-TNV6416E1N

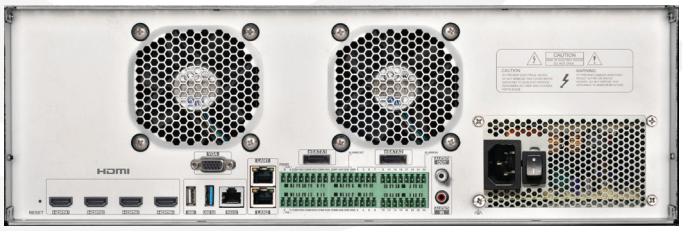
64 Channel 16 MegaPixel 8K Real Time Network Video Recorder with GEN IV Advanced Analytics Support

VITEK INDUSTRIAL VIDEO PRODUCTS, INC.

KEY FEATURES

- 64 Channel Stand-alone 8K Real-time IP Network Video Recorder
- HDMI 1: 7680×4320@60fps TOTAL (When the resolution of HDMI1output is 8K, HDMI2 is unavailable)
  HDMI 2: 3840×2160@60fps, 3840×2160@30fps
  HDMI 3: 3840×2160@60fps, 3840×2160@30fps
  HDMI 4: 1920×1080, 1280×1024, 1024×768
  VGA×1: 1920×1080, 1280×1024, 1024×768 (VGA and HDMI1 output the same video source)
- Recording: 16MP/12MP/8MP/6MP/5MP/4MP/3MP/ 1080P/1280x1024/960P/720P/960H/D1/CIF
- H.265S / H.265+ / H.265 / H.264 Compression
- Recording: 16MP, 12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 1280×1024, 960P, 720, 960H, D1, CIF
- Gen. IV Advanced Analytics: Regional Entrance / Exit, Line Crossing, Target Counting [All by Human / Motor Vehicle Classification] Face Detection / Comparison, Object Missing, Exception, Supports License Plate Recognition, & Fisheye De-Warping (via Web / App)
- 24 Ch. Alarm In + 8 Ch. Alarm Out
- 2-Way Audio: RCA In × 1, Out × 1*
- Pentaplex: Live Display / Record / Playback / Backup / Remote Access
- 16 Internal SATA2/3 HDD Bays w/up to 192TB (16 × 12TB HDD) Internal Storage + E-Sata × 2 - Hot Swappable
- Dual 1 Gigabit LAN/WAN Port
- Supports RAID 0, 1, 5, 6, 10
- Network Based PTZ Control
- Mobile Apps for iOS® & Android®
- Remote viewing via Web Browser over Internet/LAN
- Free VMS (Video Management Software) available for organized viewing of multiple sites
- Supports both Dynamic and Static IP Addresses
- USB 3.0 × 1, USB 2.0 × 3
- Control via Mouse/Included IR Remote control
- Heavy Duty Rack Ears Included
- 3 Year Warranty

TRANSCENDENT

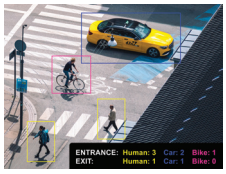


INTELLIGENT ANALYTICS GEN IV | VITEK LPR | FACE RECOGNITION | HDMI | ONVIF | Download on the App Store | GET IT ON Google Play

NDAA COMPLIANT

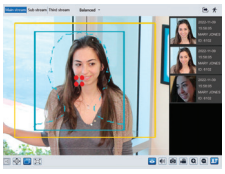
TRANSCENDENT GEN IV ANALYTICS SUPPORT!

INTELLIGENT ANALYTICS GEN IV

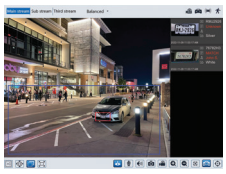


TARGET COUNTING
People, Vehicles, and Motor/Bicycles

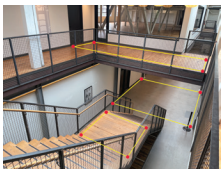
AUTO ZOOM TRACKING
Real-Time PTZ Auto-Tracking Powered by AI (Camera Dependent)



AI FACIAL DETECTION
Face Detection / Comparison with Face Database



ADVANCED LPR
License Plate Database for Access Control & Monitoring (Camera Dependent)



AREA TRACKING
Fully Programmable Regional Intrusion Detection

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

VITEK TRANSCENDENT 16MP NVR!

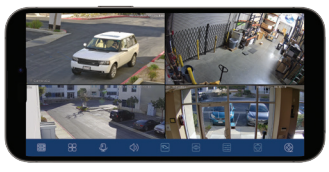
Transcendent Series Stand-Alone Network Video Recorders offer simple and comprehensive search functions supporting GEN IV Advanced Analytics support and superior compression (H.265S / H.265+ / H.265 / H.264) for optimum storage capability. Model VT-TNV6416E1N also supports Facial Detection and Comparison as well as Fisheye Camera De-Warping (through Web client or App) and License Plate Recognition.

Delivering up to 16MP recording and 8K HDMI video output, these recorders also share the robust yet simple Transcendent Mobile Applications and highly sophisticated VMS as all VITEK Transcendent security video solutions.

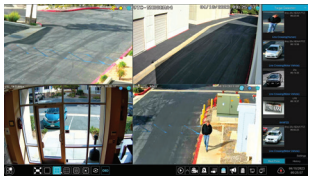
VITEK TRANSCENDENT PLATFORM 2.0:

FREE VMS FOR MULTIPLE LOCATIONS
Free VMS (Video Management Software) for Easy Management of Multiple Locations.

VERSATILE SOLUTION
Remote Viewing/Management using Apple macOS®, Microsoft Windows® and web browsers.



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



ROBUST LOCAL INTERFACE.
Face Detection / Comparison with Face Database

An Eye On Innovation

www.vitekcctv.com

SINCE 1997

VT-TNV6416E1N

DETAILED SPECIFICATIONS

Video Input / Resolution	64 IP Ch. up to 16MP: 16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080P/1280x1024/960P/720P/960H/D1/CIF
Main Monitor Output (HDMI1, 2, 3, 4, VGA)	HDMI1: 7680×4320@60, 7680×4320@30, 3840×2160@60, 3840×2160@30, 1920×1080, 1280×1024, 1024×768 (When the resolution of HDMI1output is 8K, HDMI2 is unavailable) HDMI2: 3840×2160@60, 3840×2160@30, 1920×1080, 1280×1024, 1024×768 HDMI3: 3840×2160@60, 3840×2160@30, 1920×1080, 1280×1024, 1024×768 HDMI4: 1920×1080, 1280×1024, 1024×768 VGA×1: 1920×1080, 1280×1024, 1024×768 (VGA and HDMI1 output the same video source)
Multi Operation	Pentaplex: Live Display / Record / Playback / Backup / Remote Access
Multi Screen Display	Main output:1/4/6/8/9/13/16/25/32/36/64 AUX output 1:1/4/6/8/9/13/16/25/32/36 AUX output2:1/4/6/8/9/13/16 AUX output 3:1/4/6/8/9/13/16 Max. 132(64+36+16+16)
Recording Compression	H.265+ / H.265 / H.265S / H.264
OS	Embedded Linux
Recording Resolution	16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080P/1280x1024/960P/720P/960H/D1/CIF
Frame Rate	30fps (NTSC), 25fps (PAL)
Audio over IP Inputs	64 (Camera dependent)
2-Way Audio	Yes
Local Audio In/Out	IN: RCA × 1CH / OUT: RCA × 1CH
HDMI Audio Output	Yes
Audio Compression	G.711(A/U)
Recording Stream	Dual stream recording
Recording Modes	Manual / Timer / Motion / Sensor
Simultaneous Playback	Max 16Ch
Playback Function	Play, Pause, Fast Forward, Rewind, Digital Zoom, Previous Frame, Next Frame
Live View	1CH 16MP@30 / 4 CH 12MP(only available for main output)
Playback	1CH 16MP@30 / 4CH 8MP(only available for main output)
Smart Search	Highlighted color to display the camera recording in a certain period of time, different colors refer to different recording events
Decoding	Live: 1CH 16MP@30 / 4 CH 12MP / Playback: 1CH 16MP@30 / 4CH 8MP
GEN IV Analytics Support	Regional Entrance / Exit Detection, Line Crossing, Target Counting (All by Human / Motor Vehicle Classification) Face Detection / Comparison, Crowd Density, Abandoned / Missing Object, Abnormal Video
Face Detection / Comparison Support	64Ch., 32 Libraries (10,000 Face pics), 36 pics/sec Computing, Search by Pic, Add/Modify/Delete/Search Pics, Add pics w/ App, Web, Ext. Import, Supports Allow/Block Lists and Stranger Match Alarm, Track Display on Map, Bar Graph Stats by Day, Week, Month, Quarter, Custom
Face Det. / Comp. Continued	Performance (AI by Device): 4Ch., Match Performance: 16Ch.
Video Structure Analysis	Human/Vehicle Classification (AI by IPC): 64Ch., Human/Vehicle Classification (AI by Device): 8Ch., Support Human / Vehicle Attribute Analysis
360° Camera De-Warping	Supports de-warping via Web Client or App: Multiple Views include 360° Overview, Quad, Overview + 3 Views, and Single View
License Plate Recognition	Yes (AI by IPC)

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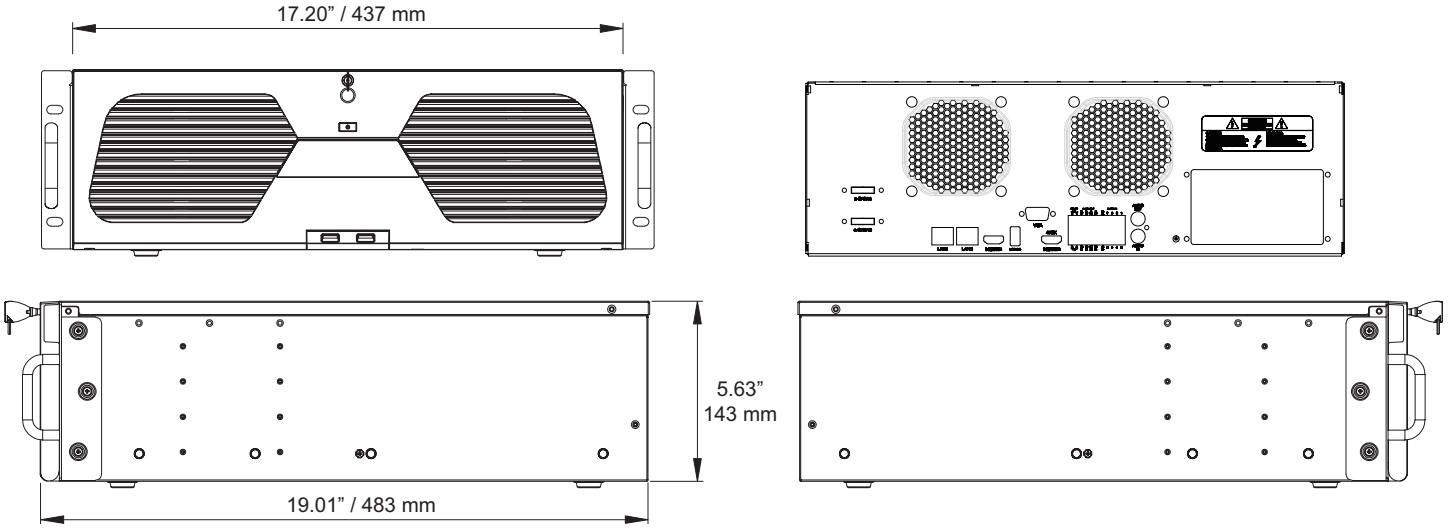
DETAILED SPECIFICATIONS

Search	Time Sliced Image Search, Time/Calendar Search, Event (Motion, External Alarm), Tag Search
Alarm Modes	Manual, Sensor, Motion, Exception, Smart Events
Alarm In / Out / Triggering	24CH / 8CH / Record, Snap, Preset, Buzzer, E-mail
Network Interface	RJ45 x 2 (10/100/1000Mbps)
Total Bandwidth	640 Mbps / 640 Mbps (Incoming / Outgoing)
Remote Access	Max. 128 Users
Dual-stream	Individual Network Video Stream and local recording stream, set seperately
Network Protocols	TCP/IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTP, RTSP, HTTP, HTTPS, 802.1x, SNMP, ONVIF
SATA HDD	SATA × 16, Max 12TB each (192TB Total) + E-Sata × 2 - Hot Swappable
RAID	RAID0, 1, 5, 6, 10
USB	USB 2.0 × 3 (Front: 2), USB 3.0 × 1
RS485	Yes (full-duplex), connect to PTZ
RS232	Yes
PTZ Protocol	Through Network
PTZ Support	PTZ Preset and Auto Cruise, up to 255 Presets and 8 Cruises
Reset	Yes
Power Consumption	<50W (No HDD)
Power Supply	ATX275W
Working Environment	14~122°F, 10% ~ 90% humidity
Dims. (W × D × H)	17.20" × 19.02" × 5.63" (437 × 483 × 143mm)
Weight	Net: 23.59lbs (10.7kg), Gross: 31.31lbs (14.2kg) (Without HD)
Certificates	CE, FCC
Environmental Protection	Directive EU RoHS, REACH and WEEE

VT-TNV6416E1N DIMENSIONS: