



VT-TNR414PL
VT-TNR818PL

4/8 Channel 6 MegaPixel Real Time
PoE Network Video Recorder

QUICK START GUIDE



FEATURES

- 4 / 8 Ch. Stand-alone Real-time IP NVR with 1080P Hi Res Display
- Video Input: 6/5/4/3MP/1080P/1280x1024/960P/720P/960H/D1/CIF
- **HDMI & VGA Video Output**
- HDMI x 1 : 1920 x 1080 / 1280 x 1024 / 1024 x 768
- VGA x 1 : 1920 x 1080 / 1280 x 1024 / 1024 x 768
- Rec. Res: 6/5/4/3MP/1080P/1280x1024/960P/720P/960H/D1/CIF
- Frame Rate: **[VT-TNR414PL]** 5MP@120fps, 4MP/3MP/1080P/1280x1024/960P/720P/960H/D1/CIF@120fps [30fps/ch.], 6MP@80fps
- Frame Rate: **[VT-TNR818PL]** 5MP@240fps, 4MP/3MP/1080P/1280x1024/960P/720P/960H/D1/CIF@240fps [30fps/ch.], 6MP@120fps
- H.265+ / H.265S / H.265 / H.264 Video Compression
- 4 Ch. / 8 Ch. Simultaneous Playback
- Pentaplex: Live Display / Record / Playback / Backup / Remote Access
- 4/8 Ch. IPC Audio Input (1-Way Audio): HDMI Supported [No Local Output]
- Audio Compression: G.711(U/A)
- Decoding Capability: Live View / Playback -- 1Ch. 6MP, 4Ch. 720P
- Video Content Analysis: Obj. Missing, Region Intrusion, Tripwire, Exception
- Supports License Plate Recognition
- Plug & Play & Auto Config. for Leading ONVIF Compliant IP Camera Models
- Free VMS (Video Management Software) Lite and Standard versions available for organized viewing of multiple sites [For Enterprise version please contact your Vitek Reseller]
- Multi-mode recording: Manual / Timer / Motion / Sensor / Smart Events
- Alarm Modes: Motion/Sensor Detection, A.I. Event, Temp., Exception Alarm, Mask
- Internal 4 / 8-Port PoE Switch
- 1 LAN Port
- USB 2.0 x 2 (Rear)
- 1 Internal SATA2/3 HDD Slot supporting up to 10TB (1 x 10TB HDD)
- Control locally via included USB Mouse or Optional IR Remote Control
- Supports NAT Function and QR Code Scanning by Mobile Phones
- DHCP, DDNS, PPPoE network protocol
- Power Consumption: <6W (W/out HDD), Supply: DC 48V/1.25 / 2.5A
- 2-Year Warranty



PLEASE NOTE:

Complete User Guide, Software, Tools, and Updates are available online. Scan the QR Code or visit:
<http://www.vitekctv.com/Downloads>

1. Notes

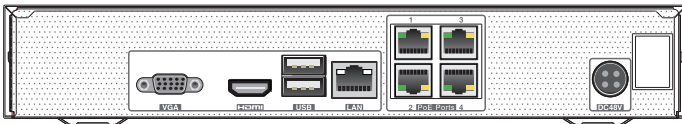
- Please read these instruction carefully before using the product and keep this guide for further reference.
- All the examples and pictures used here are for reference only.
- The contents of this manual are subject to change without notice.
- This device should be operated only from the type of power source indicated on the label. The voltage of the power supply must be verified before use.

2. Packing Check

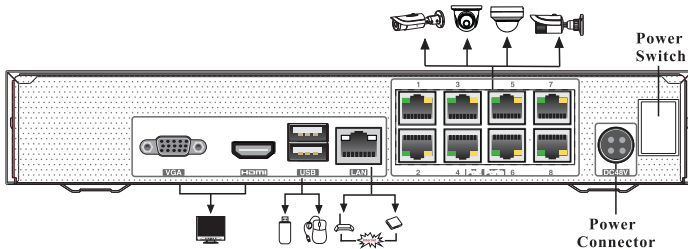
Please check the device and the accessories after getting the device. If there is damage, missing parts or defects, please contact your re-seller immediately.

3. Rear Panel Instruction

The interfaces of the rear panel are for reference only.



Rear Panel for 4CH



Rear Panel for 8CH

Name	Description
VGA	Connector for VGA output
HDMI	Connector for HDMI output
USB	Connectors for USB devices
LAN	RJ 45 Ethernet port
PoE Ports	4/8 PoE network ports; connect to PoE IP cameras
DC48V	Connector for power input

4. Startup & Shutdown

► Startup

- ① Connect the monitor and the power.
- ② The device will boot and the power indicator will display blue.
- ③ A wizard window will pop up.

► Shutdown

Click “Start” and then select the “Shutdown” icon. This will bring up a shutdown window. The device will shut down by clicking the “OK” button. Then disconnect the power.

5. System Login

You must configure the wizard when you start the NVR for the first time. Choose the language and read the privacy statement. Then set the date, time and zone as needed. After that, set the login password.

Wizard

Admin Password Setup

Username ▼

New Password

Confirm Password

Display Password
 Log In Automatically

Pattern Lock
 Enable

The default username is **admin** and the default password of admin is **123456**. Set your own password or use the default one when you use the wizard for the first time. Enable pattern lock and click “Edit” to set the pattern lock. Then set security questions and answers. It is important for you to remember these answers, or you will not be able to reset your password. Click “Next” to continue.

6. Disk Settings

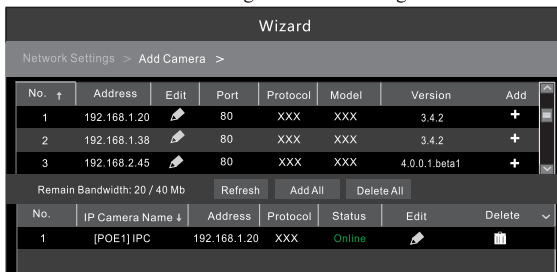
You can view the disk number, disk capacity of the NVR, serial number, and Read/Write status of the disk. Click “Format” to format the disk. Click “Next” to continue.

7. Network Configuration & Add IP Camera

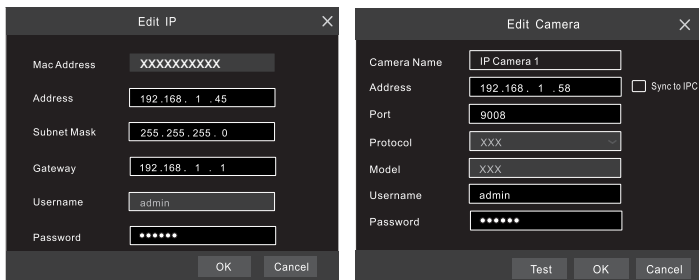
- ① Enter the IP address, subnet mask, gateway, etc. If using DHCP, please enable DHCP in both the NVR and the router.
- ② Enter HTTP port (the default value is 80) and server port (the default port is 6036).
- ③ The internal ethernet port is the port which connects all the PoE ports with the NVR system. The PoE ports are available if the internal ethernet port is online; if it is offline, all the PoE ports will be unavailable.

The screenshot shows the 'Wizard' interface for network configuration. It is divided into two main sections: 'Ethernet Port 1 (Online)' and 'Internal Ethernet Port (Online)'. The 'Internal Ethernet Port (Online)' section is highlighted with a red border. In this section, the 'Address' field is set to '10.151.151.100' and the 'Subnet Mask' field is set to '255.255.255.0'. In the 'Ethernet Port 1 (Online)' section, the 'Obtain an IP address automatically' checkbox is unchecked, and the 'Obtain DNS automatically' checkbox is checked. Below these sections, there are fields for 'Preferred DNS', 'Alternate DNS', 'HTTP Port' (set to 80), 'RTSP Port' (set to 554), 'HTTPS Port' (set to 443), and 'Server Port' (set to 6036). At the bottom of the wizard, there are three buttons: 'Previous', 'Next', and 'Cancel'.

- ④ Add Camera. Click “Next” to go to the following interface.



Click “Refresh” to refresh the list of online IP cameras which are in the same local network with the NVR. Click + to add the searched camera. Click “Add All” to add all the cameras in the list. Click to delete the added camera. Click “Delete All” to delete all the added cameras.



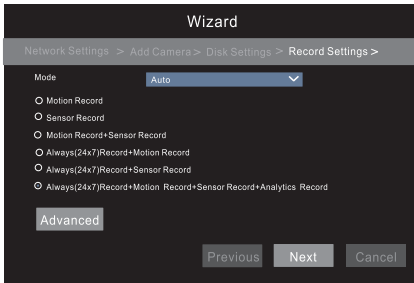
- ⑤ Click to edit an IP camera as shown on the above left. Enter the new IP address, subnet mask, gateway, username and password of the camera. Click “OK” to save the settings.

Click to edit the added camera as shown on the above right. Enter the new camera name, IP address, port, username and the password of the camera. You can click “Test” to test the effectiveness of the input information. Click “OK” to save the settings. You can change the IP camera name only when the added camera is online. Click “Next” to continue.

8. Record Settings

There are two recording modes: auto and manual.

Auto Mode: Select auto mode in the interface as shown below and then click “Next” to save the settings. Click “Advanced” to self-define a recording mode.



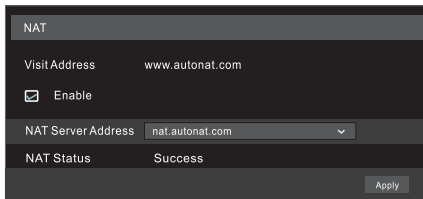
Manual Mode: Set the “Sensor Record”, “Motion Record”, “Analytics Record” and “Schedule Record” of each camera. Please enable recording as needed. Click “Next” to continue.

9. NAT

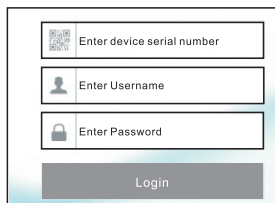
You can enable the NAT function in the interface or set it in the network configuration after exiting the wizard. You can scan the QR code through the mobile surveillance App available for iOS or Android to easily view your cameras.

► Web Browser Access Through NAT Function


① Go to Start → Settings → Network → NAT tab. Enable NAT and select the NAT Server Address. Click “Apply” to save the parameters.



Enter **www.autonat.com** in the address bar of your browser and then press enter to go to the following interface. If this is the first time to access the NAT, download and install the plug-in according to the popup tips. After that, re-open your web browser and enter the above-mentioned address. Then the login box will appear. Enter the device serial number, username and password.



The image shows a login interface with three input fields and a button. The first field is labeled 'Enter device serial number' and contains a QR code icon. The second field is labeled 'Enter Username' and contains a person icon. The third field is labeled 'Enter Password' and contains a lock icon. Below the fields is a grey button labeled 'Login'.

Device Serial Number: Click  on the menu bar at the bottom of the live interface (or go to NAT interface or System→Information→Basic interface) to view the serial number.

Username: The username of the NVR. The default username is admin.

Password: The password of the NVR. The password is set by yourself when you configure the wizard for the first time.

10. Manual Recording

Click  button to start recording. Click it again to stop recording.

You can also click  to check the status of the recording.





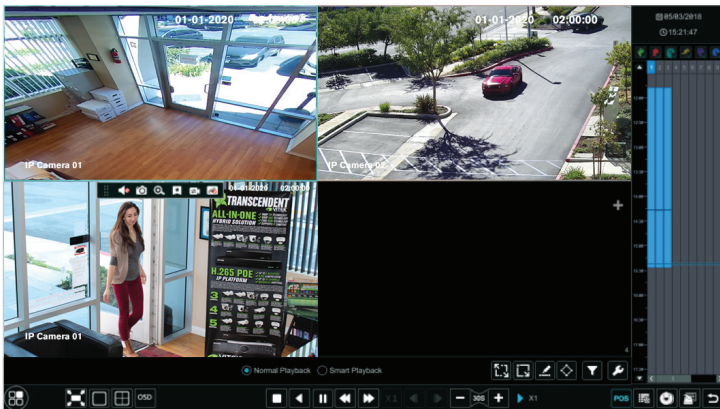
11. Playback

► Instant playback

Click “Instant Playback” in the right-click menu of the camera’s preview window to select or drag the playback progress bar to change the playback time to play back the record.

► General playback

Click  on the tool bar at the bottom of the live view interface or click Start → Playback to go to the playback interface as shown below. You can also add the playback cameras manually. Click  in the playback window to bring up the “Add Camera” window. Check the cameras in the window and then click “Add” to add playback camera. The recorded files of the added playback camera will be played in the playback interface.



Detailed Specifications	VT-TNR414PL
Video Input / Resolution	4 IP Channels up to 6 MegaPixel 6MP/5MP/4MP/3MP/1080P/1280×1024/960P/720P/960H/D1/CIF
Main Monitor Output	HDMI × 1, VGA × 1: 1920 × 1080 / 1280 × 1024 / 1024 × 768
Multi Operation	Pentaplex: Live Disp./Record/Playback/Backup/Remote Access
Recording Compression	H.265+ / H.265S / H.265 / H.264
OS	Embedded Linux
Recording	5MP/4MP/3MP/1080P/1280×1024/960P/720P/960H/D1/CIF@120fps, 6MP@80fps
Audio	4 Channel IPC Audio Input (Supported via HDMI)
Audio Compression	G.711(U/A)
Recording Stream	Dual Stream Recording
Recording Modes	Manual / Timer / Motion / Sensor / Analytics
Simultaneous Playback	Max. 4 Ch.
Playback Search	Time Slice / Time / Event / Tag Search / Smart Search
Smart Search	Highlighted Color Displays the Recording in a Certain Time Period, Different Colors Refer to Dif. Events
Playback Function	Play, Pause, Fast Forward / Back, Digital Zoom, Smart Events
Alarm Modes	Manual, Sensor, Motion, Exception, Smart Events
Alarm Linkage	Record, PTZ, Cruise, Alarm Out, Pop-up Window, Email, Buzzer, App Push
Alarm Input / Output	Supports IP Camera Input / Output
Alarm Triggering	Record, Snapshot, Buzzer, Preset, E-mail
VCA (Video Content Analytics)	Object Missing, Region Intrusion, Tripwire, Exception
License Plate Recognition	YES
POS Information Overlay	YES - On Live View and Playback
Decoding	Live View / Playback - 1 Ch. 6MP / 4 Ch. 720P
Network Protocol	DHCP, DNS, PPPoE
Network Bandwidth	28Mbps Incoming / 28Mbps Outgoing
PoE Standard / Port	IEEE802.3af / RJ45 100M × 4
Mobile Device	iOS, Android
SATA HDD Storage	SATA2.0/3.0 × 1 (Max 10TB)
Network / Local Backup	YES / U Disk, USB Mobile HDD
USB / Remote Control	USB 2.0 × 2 (Rear) / Optional
Power Consumption / Supply	< 6W (Without HDD) / DC 48V / 1.25A
PoE Output Power	≤ 40W
Working Environment	14° ~ 122°F @ 10% ~ 90% RH
Dimensions (W × D × H)	10.04 × 8.74 × 1.66" / 255 × 222 × 42mm
Weight without HDD: Net/1Gross	1.66lbs / 3.53lbs (.75kg / 1.6kg)

Detailed Specifications

VT-TNR818PL

Video Input / Resolution	8 IP Channels up to 6 MegaPixel 6MP/5MP/4MP/3MP/1080P/1280×1024/960P/720P/960H/D1/CIF
Main Monitor Output	HDMI × 1, VGA × 1: 1920 × 1080 / 1280 × 1024 / 1024 × 768
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Recording Modes	Manual / Timer / Motion / Sensor / Analytics
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License Plate Recognition	YES
POS Information Overlay	YES - On Live View and Playback
Decoding	Live View / Playback - 1 Ch. 6MP / 4 Ch. 720P
Network Protocol	DHCP, DNS, PPPoE
Network Bandwidth	28Mbps Incoming / 28Mbps Outgoing
PoE Standard / Port	IEEE802.3af / RJ45 100M × 8
Mobile Device	iOS, Android
SATA HDD Storage	SATA2.0/3.0 × 1 (Max 10TB)
Network / Local Backup	YES / U Disk, USB Mobile HDD
USB / Remote Control	USB 2.0 × 2 (Rear) / Optional
Power Consumption / Supply	< 6W (Without HDD) / DC 48V / 2.5A
PoE Output Power	≤ 80W
Working Environment	14°~122°F @ 10% ~ 90% RH
Dimensions (W × D × H)	10.04 × 8.74 × 1.66" / 255 × 222 × 42mm
Weight without HDD: Net/Gross)	1.79lbs / 3.65lbs (.81kg / 1.66kg)



**CONSIDER THESE OTHER
GREAT TRANSCENDENT
PRODUCTS**

Optimize Your Surveillance System with Vitek Professional Grade Displays!



VTM-TLM19L

Transcendent 19.5" HDMI and
VGA CCTV Monitor with Full HD
Display (1080P)



**NDA
COMPLIANT**

VTM-TLM21L

Transcendent 21.5" HDMI and
VGA CCTV Monitor with Full HD
Display (1080P)

FEATURES

- 19.5" Display (VTM-TLM19L) / 21.5" Display (VTM-TLM21L)
- 16 : 9 Aspect Ratio
- Full 1080p High Def. Display (1920 x 1080) / (1600 x 900 on VTM-TLM19L)
- Contrast Ratio of 1000:1
- HDMI / VGA Input
- Audio In (2 x Speakers)
- 5ms Response Time
- 178° Horizontal and Vertical Viewing Angle (178 / 170° on VTM-TLM19L)
- LED Backlit
- 100mm VESA mount
- Professional grade display designed for 24/7 continuous use in security applications with 50,000 Hour Panel Life
- 3 Year Warranty

LIMITED PRODUCT WARRANTY

This VITEK product carries a two (2) year limited warranty. VITEK warrants to the purchaser that products manufactured by VITEK are free of any rightful claim of infringement or the like, and when used in the manner intended, will be free of defects in materials and workmanship for a period of two (2) years, or as otherwise stated above, from the date of purchase by the end user. This warranty is nontransferable and extends only to the original buyer or end user customer of a VITEK Authorized Reseller.

The product must have been used only for its intended purpose, and not been subjected to damage by misuse, willful or accidental damage, caused by excessive voltage or lightning.

The product must not have been tampered with in any way or the guarantee will be considered null and void.

This guarantee does not affect your statutory rights.

Contact your local VITEK Reseller should servicing become necessary.

CLASS A DIGITAL DEVICE (INDUSTRIAL & COMMERCIAL ENVIRONMENT)

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to CE and FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct



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