



VTC-TNB4RFAD-2

Transcendent Series 4 MegaPixel
Indoor/Outdoor WDR IP Active
Deterrence Fixed Bullet Camera

QUICK START GUIDE



FEATURES:

- 1/3" 4.0 Megapixel CMOS Image Sensor
- Up to 30fps live view @ 4 MegaPixel (2592x1520)
- 2.8mm Fixed Iris Lens
- Alternate Flashing Red + Blue Warning Lights & User-Defined Warning / Command Voice Import
- Matrix IR with up to 165' IR Range
- True Wide Dynamic Range (120dB)
- True Mechanical Day/Night function by ICR
- Triple Streaming: H.265+, H.264+ & MJPEG Compression
- XD-DNR (3D & 2D-DNR) Noise Reduction
- Backlight Compensation, Highlight Compensation, DeFog, Hardware Reset, ROI
- Advanced Analytics: Line Crossing Detection, Region Intrusion, Entrance / Exiting Detection [All by Human / Vehicle Classification], Abnormal Video Signal Detection (Scene Change, Video Cast & Video Blur)
- 1 Ch. Audio In + Built-in Speaker*
- Built-in MicroSD Card Slot for Local Recording (up to 256GB)
- Smart Alarm: Motion Det., Sensor Alarm, SD Card Error / Full, IP Address Conflict, Cable Connection
- IP66 Weather Resistance
- Optional Junction Boxes (VT-TJB08) Available [Compatible with Universal Transcendent Pole and Corner Mount Adapters, VT-TPLMT & VT-TCNMT]
- 12VDC & PoE (Power over Ethernet) Operation

**Please research local, state and federal laws regarding the implementation of audio surveillance.*



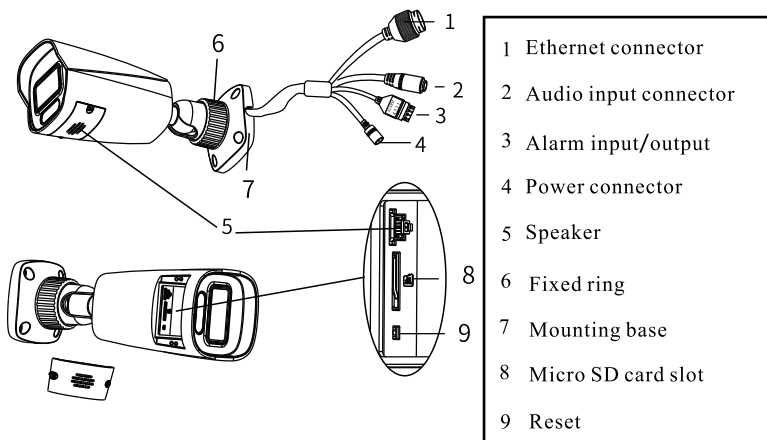
PLEASE NOTE:

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

Components and Accessories

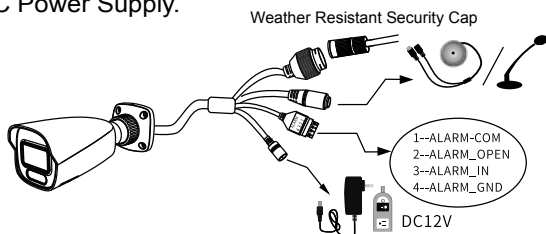
Camera		Drill Template	
Quick Guide		Plastic Plugs	
Screws		Network Coupler	

Overview

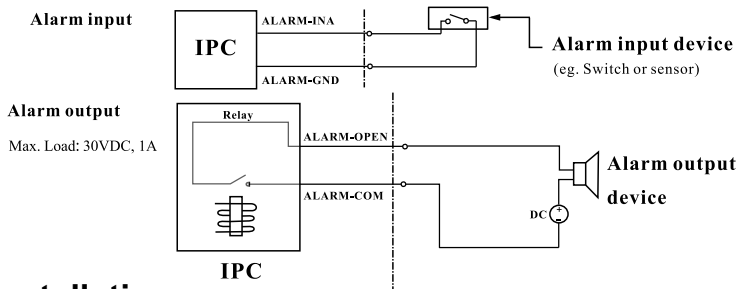


Cable Connections

First connect the Weather Resistant Cap to an Ethernet patch cable, then connect the cameras ethernet adaptor. If not powering the camera with PoE, also connect the power Cable to an approved 12VDC Power Supply.



Connecting Alarm Input / Output

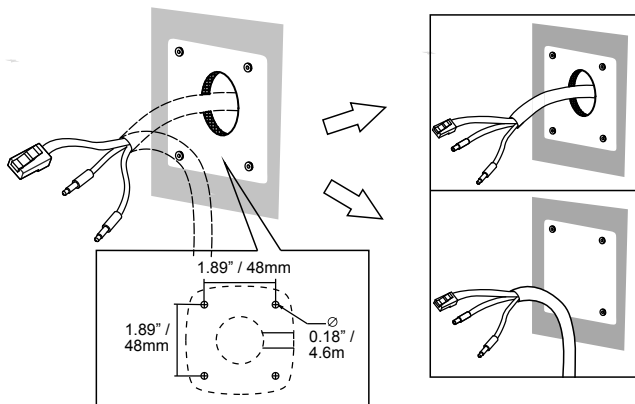
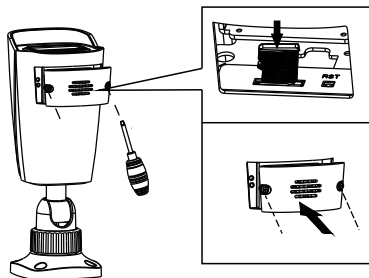


Installation

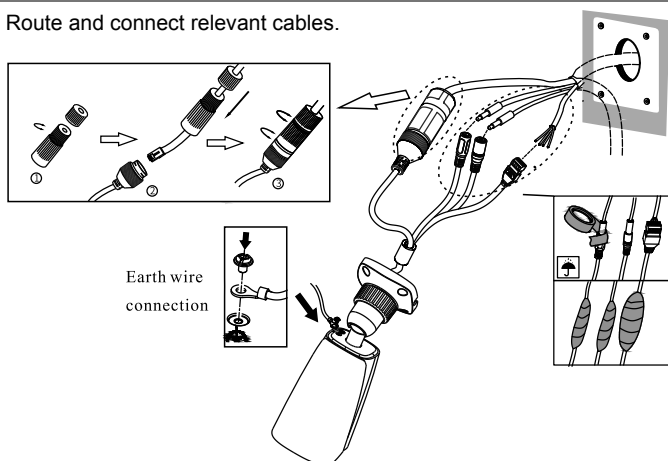
Before beginning installation, make sure that the wall or ceiling is strong enough to withstand 3 times the weight of the camera. The mounting steps are as follows:

First Install a MicroSD Card as Demonstrated in Diagram at Right

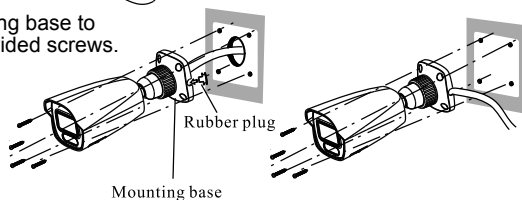
1. Attach the drill template to the place where you want to install the camera, then drill 3 screw holes and 1 cable hole (if you want to route the cables through the mounting base) according to the drill template (see below).



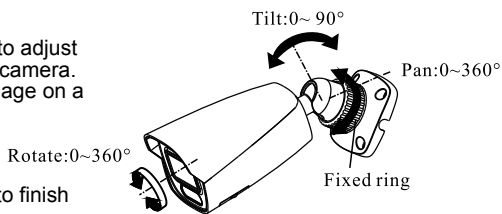
2. Route and connect relevant cables.



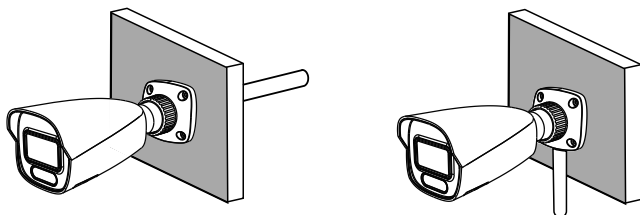
3. Attach the mounting base to the wall with the provided screws.



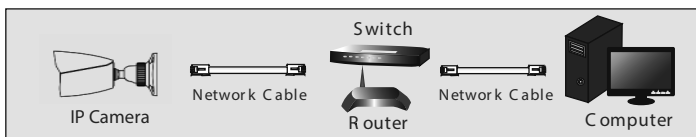
4. Loosen the fixed ring to adjust the viewing angle of the camera. Preview the camera's image on a monitor.



5. Tighten the fixed ring to finish the installation.



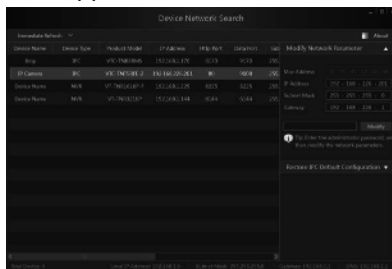
LAN Configuration



The camera can be accessed on the local network either using the IP-Tool or directly in a web browser.

Accessing the Camera Using the IP-Tool

1. Make sure the camera and PC are connected to the LAN.
2. Locate the IP-Tool installer at www.vitekctv.com/Downloads/Software/Transcendent-IPTool_v2.0.2.zip, then install on the PC. Open the installed application.



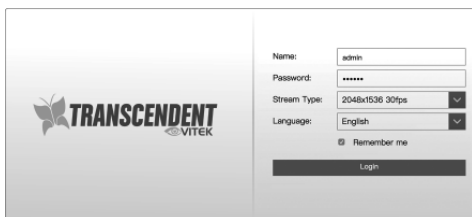
3. Modify the IP address. The default IP address is 192.168.226.201. Click the information of the camera listed in the above table to show the network information on the right side. Modify the IP address and gateway of the camera and make sure its network address is in the same local network segment as the computer's. Please modify the IP address of your device according to the practical situation.

For example, the IP address of your computer is 192.168.13.4. So the IP address of the camera shall be changed to 192.168.13.X. After modification, please input the password of the administrator and click "Modify" button to modify the setting.

The screenshot shows the network configuration window in the IP-Tool application. It displays fields for Mac Address, IP Address, Subnet Mask, and Gateway. The IP Address field is set to 192.168.226.201, the Subnet Mask is 255.255.255.0, and the Gateway is 192.168.226.1. A 'Modify' button is visible at the bottom right.

** Default admin password: "123456".

4. Double-click the IP address and then the system will pop up the web browser to connect IP-CAM . IE browser will download the Active X control. After downloading, a login window will pop up as shown below:



Input the user name and password to log in.
Default user name: admin / Default password: 123456.

Directly Access Through a Web Browser

The default network settings are as shown below:

IP address: 192.168.226.201 HTTP: 80

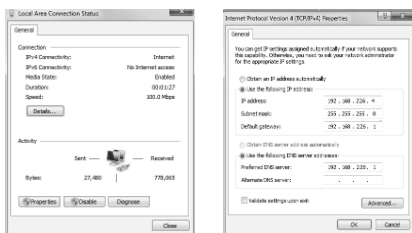
Subnet Mask: 255.255.255.0 Data Port: 9008

Gateway: 192.168.226.1

You may use the above default settings when you log in the camera for the first time.

1. Manually set the IP address of the PC. The network segment should be the same as the default settings of IP-CAM. Open the network and share center. Click “Local Area Connection” to pop up the following window.

Select “Properties” and then select Internet protocol according to the actual situation (for example: IPV4). Next, click “Properties” button to set the network of the PC.



2. Open the IE Browser and input the default address of IP-CAM and confirm. The IE browser will download Active X control.
3. After downloading Active X control, the login dialog box will pop up.
4. Input the default username and password and then enter to view.

WAN Configuration

Access the camera by the router or virtual server for example.

1. Make sure the camera is connected to the LAN; Then log into the camera via LAN and go to System Config→Network Config→Port menu to set up the port number.
2. Enter System Config→Network Config→IP Address menu to modify the IP address.

Port	Server	DDNS	SNMP	802.1X	RTSP	UPn
HTTP Port	80					
HTTPS Port	443					
Data Port	9008					
RTSP Port	554					

[Save](#)

3. Go to the router's management interface through IE browser to forward the IP address and port of IP-CAM in the "Virtual Server".

Port Range					
Application	Start	End	Protocol	IP Address	Enabl
1	9008	to 9008	Both	192.168.6.6	☒
2	80	to 81	Both	192.168.6.6	☒
3	10000	to 10001	Both	192.168.6.166	☐
4	21000	to 21001	Both	192.168.6.156	☐
5	7777	to 7778	Both	192.168.6.206	☐
6	7777	to 7778	Both	192.168.6.206	☐

4. Open the web browser and input its WAN IP and HTTP port to access the IP-CAM.
5. **For additional setup, features and functions, please scan the QR code on the front page of this quick guide and download the complete manual.**

VTC-TNB4RFAD-2 Detailed Specifications

Image Sensor	1/3" 4.0 Megapixel Progressive Scan CMOS
Image Size	4 MegaPixel (2592 × 1520)
Resolution	4MP(2592×1520), 3MP(2304×1296), 1080P, 720P, D1, CIF(480 × 240)
Min. Illumination	0.005lux@F1.6, AGC ON, 0 lux with LED ON
Lens	2.8mm Fixed Iris Lens - M12 Lens Mount
Day / Night	True Day / Night by ICR
Night Vision / Range	MATRIX / Up to 165'
Video Compression	H.265+ / H.265 / H.264+ / H.264 / MJPEG [Triple Streaming]
Audio Compression	G.711A / G.711U
Main-Stream	4MP/2K/3MP/1080P / 720P (60Hz: 1 ~ 30fps, 50Hz: 1 ~ 25fps)
Sub, Third Streams	720P/D1/CIF(60Hz:1 ~ 30fps/50Hz:1 ~ 25fps), D1/CIF/480x240(60Hz:1 ~ 30fps/50Hz:1 ~ 25fps)
Bit Rate / Type	64 Kbps ~ 8 Mbps / VBR, CBR
Wide Dynamic Range	120dB Super WDR
Other Features	Highlight Compensation, Backlight Compensation, DeFog, Hardware Reset
Digital Noise Reduction	XD-DNR (3D-DNR & 2D-DNR)
Image Setting	ROI, Saturation, Brightness, Chroma, Contrast, Sharpen, NR; adjustable through client software/browser
Advanced Analytics	Line Crossing Detection, Region Intrusion, Entrance / Exiting Detection [All by Human / Vehicle Classification], Abnormal Video Signal Detection (Scene Change, Video Cast & Video Blur)
Smart Alarm	Motion Detection, SD Card Error, SD Card Full
Region of Interest (ROI)	Each ROI to be Configured Separately
Audio	1 Ch. Audio In + Built-in SPEAKER*
Alarm	1 Ch. Alarm Input, 1 Ch. Alarm Output
Sound and Light Warning	YES: Alternating Red and Blue Flashing Lights + Speaker with User-Defined Warning Voice Import
Local Storage	Built-in MicroSD Card Slot (up to 256GB)
Remote Viewing	CMS / Web Browser / Mobile (iOS/Android)
Supported Browsers	IE or Edge in IE mode
Connection Protocol	ONVIF
Ingress Protection	IP66
Power Input	12VDC / PoE
Pwr Consumption (PoE), (12VDC)	<12.5W, 550mA (LEDs Off) / 1100mA (LEDs On)
Working Environment	-22° ~ 140°F (-30° ~ 60°C) / < 95% Humidity
Weight (NET, GROSS)	24.70 oz / 1.54 lbs / 700g, 30.00 oz / 1.88 lbs / 850g
Dimensions (L × W × H)	8.54 × 3.17 × 3.16" (217.8 × 80.5 × 80.3mm)

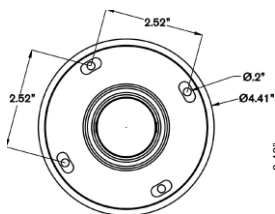
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OPTIONAL ACCESSORIES AND RELATED PRODUCTS FOR VTC-TNB4RFAD-2

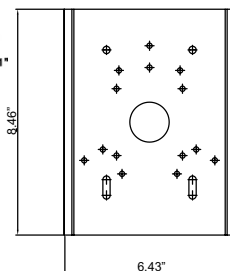
VT-TJB08

Optional Junction Box



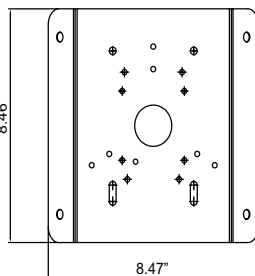
VT-TPLMT

*Transcendent
Universal Pole
Mount Adapter
- Ivory, reqs.
VT-TJB08*



VT-TCNMT

*Transcendent
Universal Corner
Mount Adapter
- Ivory, reqs.
VT-TJB08*





**OPTIONAL ACCESSORIES AND
RELATED PRODUCTS FOR
NDAA COMPLIANT
TRANSCENDENT IP CAMERAS**

TRANSCENDENT NVRs

***A Standalone Solution with
Analytic Support and
NDAA Compliance!***



- **8MP (4K) HDMI Output**
- **H.265S / H.265+ / H.265 / H.264 Video Compression**
- **Analytic Support Including Basic Face Detection, License Plate Recognition, and More!**
- **Available in 4, 8, and 16 Channels**
- **Up to 24TB Depending on Model (12TB per HDD)**
- **PoE Support on ALL Models**

VT-TNR414PN
VT-TNR818PN



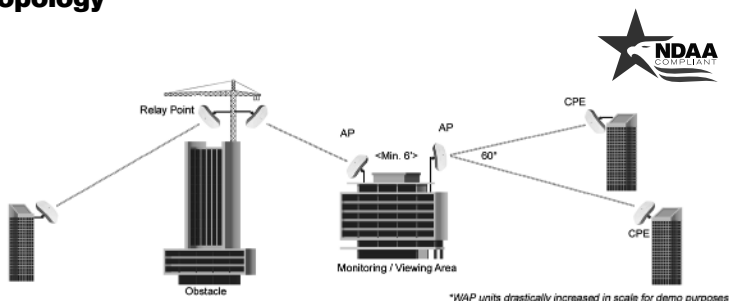
VT-TNR1626PN



**An Eye On
Innovation**

Also Consider Vitek NDAA Compliant Wireless Access Points to Reduce Costly Cable Installation!

VT-WAP1150 and VT-WAP2150 High Speed 5.8GHz DIP AP / CPE Wireless Bridge w/ 8MB Storage, 64MB RAM, 150MBps transmission, and Point-to-Multi-Point (P2MP) Topology



With high speed transmission of 150Mbps and a wireless range of **3000ft.** (VT-WAP1150) and **1.25 miles** (VT-WAP2150) these products eliminate the need for expensive and troublesome long-distance cables in areas where CCTV monitoring and rigorous surveillance take place. These small, lightweight and durable units are easy to install and easy to use with an innovative and straightforward 10-button plug-and-play dip switch that facilitates the creation of a robust wireless network without a computer. Set-up can be simply configured for point-to-point or point-to-multipoint topology depending on the application, with up to 128 IP group configurations!



LIMITED PRODUCT WARRANTY

VITEK products carry a three (3) 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 three (3) 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.

VITEK makes no warranty or guarantee whatsoever with respect to products sold or purchased through unauthorized sales channels. Warranty support is available only if product is purchased through a VITEK Authorized Reseller.

