



VTC-TNB4MEA

Transcendent Series 4 MegaPixel
Motorized IP WDR Bullet Camera

QUICK START GUIDE



TRANSCENDENT



NETWORK



BUILT-IN AUDIO



4MP



WHITE LIGHT /
MATRIX IR



MOTORIZED
LENS



PROGRAMMABLE
ANALYTICS

FEATURES:

- 1/3.0" 4.0 Megapixel Progressive Scan CMOS Image Sensor
- Up to 30fps@4MP (2560 x 1440)
- 2.8~12mm Motorized Iris Lens
- Matrix IR (up to 165' IR Range), White Light (up to 130')
- True Wide Dynamic Range (120dB)
- True Mechanical Day/Night function by ICR
- XD-DNR (3D & 2D-DNR) Noise Reduction
- Region Intrusion Detection, Object Abandoned / Missing, Scene Change Detection, Line Crossing, Video Blur, Video Color Cast Detection
- H.265+ / H.265 / H.264+ / H.264 / MJPEG
- MicroSD Card Slot for Local Recording (Up to 256GB)
- 1 Ch. Audio In + Built-in Mic*
- Available in Ivory or Charcoal (VTC-TNB4MEAB)
- IP67 Weather Resistance
- Wall Mount Included & Optional Junction Box (VT-TJB08) Available
See Additional Mounting Options on Pg. 9
- 12VDC & PoE (Power over Ethernet) Operation
- 3-Year Warranty

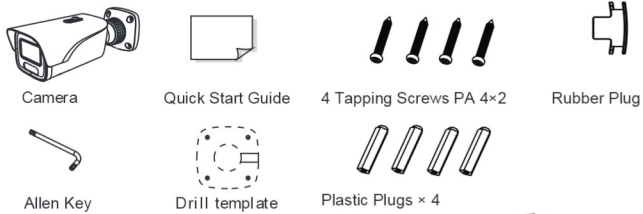
**Please research local, state and federal laws regarding the implementation of audio surveillance.*



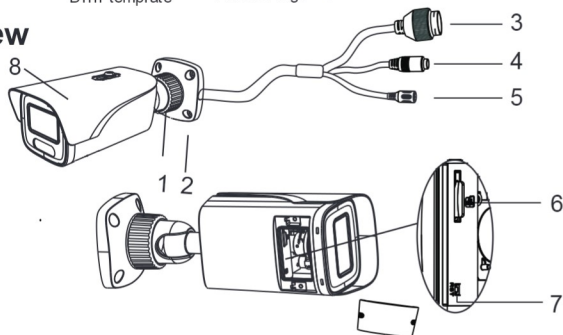
PLEASE NOTE:

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

Components and Accessories

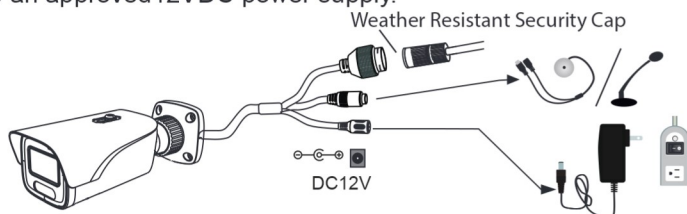


Overview

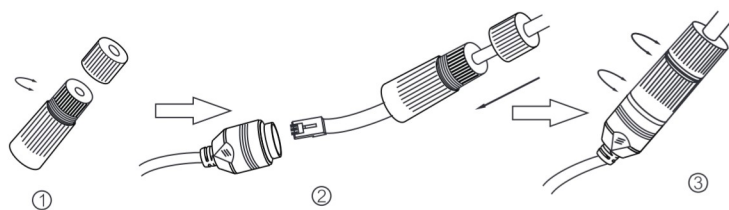


- | | |
|----------------------|----------------------|
| 1. Locking Ring | 5. Power Connector |
| 2. Mounting Base | 6. MicroSD Card Slot |
| 3. Network Connector | 7. Reset |
| 4. Audio Input | 8. Sunshield |

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.



Weather Resistant Network Coupler

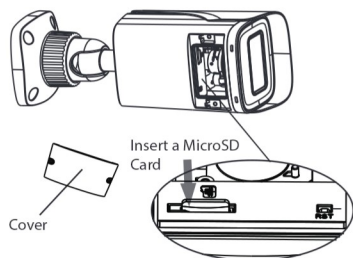


1. Loosen the nut from the Weather Resistant Network Coupler,
2. Run ethernet cable through coupler, then attach a RJ-45 connector.
3. Tighten the nut and coupler for a weather resistant seal.

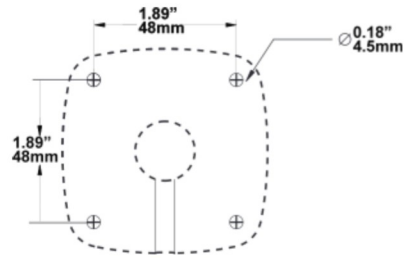
Installation

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:

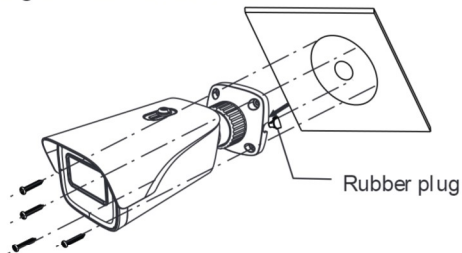
MicroSD Card Installation: Remove the bottom of the cover from the camera, insert card and replace the cover (be sure it is even).



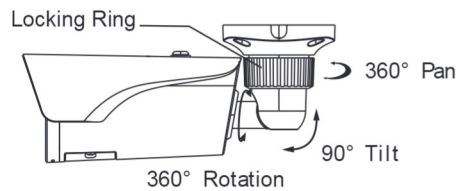
1. Attach the drill template to the place where you want to install the camera, then drill 3 screw holes and 1 cable hole (if routing the cables through the mounting base) according to the drill template



2. Route the cables and connect the power & video cables, use the rubber plug to fill the gap of the mounting base, then secure the mounting base to the ceiling or wall with screws.

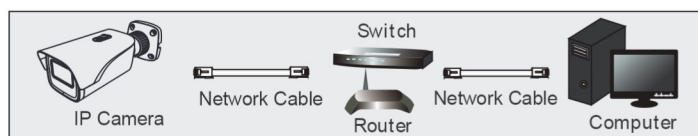


3. Loosen the locking ring to adjust the pan and tilt, then tighten the locking ring to secure the viewing angle adjustments.



4. Carefully remove the protective film from the lens to complete the installation.

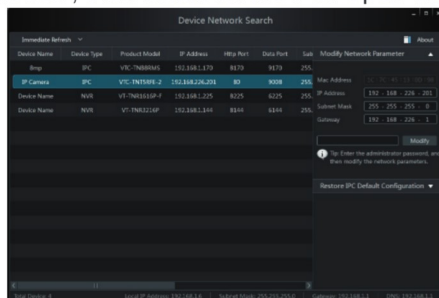
LAN Configuration



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 <https://vitekccctv.com/vitek-tech-support/vitek-software-downloads/>, 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.

Mac Address	1C:7C:45:13:0D:98
IP Address	192.168.226.201
Subnet Mask	255.255.255.0
Gateway	192.168.226.1

Modify

** Default admin password: "123456".

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



The image shows a login window for a Transcend Vitek IP camera. On the left is the Transcend Vitek logo. On the right is a form with the following fields: Name (with 'admin' entered), Password (with '123456' entered), Stream Type (set to '2048x1536 30fps'), and Language (set to 'English'). There is a 'Remember me' checkbox and a 'Login' button at the bottom.

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

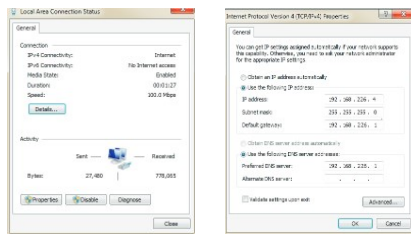
Subnet Mask: 255.255.255.0 Data Port: 9008

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 Edge in IE mode / IE browser and input the default address of IP-CAM and confirm. Edge in IE mode / IE browser will download an Active X control.
3. After downloading the Active X control, the login dialog box will appear.
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

HTTPS Port

Data Port

RTSP Port

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	Enable
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	1029	to 1030	Both	192.168.6.207	☐

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.

DETAILED SPECIFICATIONS - VTC-TNB4MEA



Image Sensor	1/3.0" Progressive Scan Sensor CMOS
Image Size	2560 × 1440
Electronic Shutter	1/1s ~ 1/100000s
Lens Type	Motorized AutoFocus Varifocal
Min. Illumination	0.004 lux @F1.4, AGC ON, 0 lux with illumination On
Lens	2.8~12mm Motorized Varifocal
Field of View	Horizontal: 92 °~31°, Vertical: 48 °~17.2°, Diagonal: 112 °~ 35.6 °
Focus	Motorized AutoFocus
Day & Night	ICR
Supplement Light Range	IR Range: up to 165', White Light Range: up to 130'
Wide Dynamic Range	120dB
BLC	Yes - Backlight Control
HLC	Yes - Highlight Control
Digital Noise Reduction	Yes
S/N Ratio	≥50dB
Angle Adjustment	Pan: 0°~360°, Tilt:0°~90°, Rotation: 0°~360°
Video Compression	Main stream: H.265+ / H.265 / H.264+ / H.264, Sub /Third stream: H.265+ / H.265 / H.264+ / H.264 / MJPEG
H.265 Standard	Main Profile @ Level 4.1 High Tier
Resolution	4MP (2560 × 1440), 3MP (2304 × 1296), 1080P (1920 × 1080), 720P (1280 × 720), D1, VGA (640× 480), 480× 240, CIF
Main Stream	4MP/3MP/1080P/720P (60Hz: 1~30fps; 50Hz: 1~25fps)
Sub Stream	720P/D1/VGA/CIF (60Hz: 1~30fps; 50Hz: 1~25fps)
Third Stream	D1/480× 240/CIF (60Hz: 1~30fps; 50Hz: 1~25fps)
Bit Rate	64 Kbps ~6Mbps
Bit Rate Type	VBR / CBR
Image Settings	ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, Image Mirror, Image Flip, NR, etc. adjustable through client software or web browser
Audio Compression	G711A/U
ROI	Each ROI to be configured separately
Network	RJ45
CVBS Video Out	No

Audio	1CH audio input, 1CH built-in MIC*
Storage	Built-in micro SD card slot, up to 256GB
Reset	Yes
Remote Monitoring	Web browser / Transcendent NVR / VMS / Mobile App
Web Browser	Chrome 89.0+ / Edge 89.0+ / Firefox 87.0+ / Safari 14.0+
Online Connection	Support simultaneous monitoring for up to 6 users, Support multi-stream real time transmission
Network Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, RTMP, PPPoE, DDNS, SMTP, FTP, 802.1x, SNMP, UPnP, HTTP, HTTPS, HTTP POST, P2P, QoS
Interface Protocol	ONVIF
Storage	Network remote storage, microSD card storage
Smart Alarm	Motion detection, SMD, SD card error, SD card full, IP address conflict, network disconnection, video exception
Programmable Analytics	Line crossing / region intrusion (by human / vehicle classification), abandoned / missing object detection
More Features	Watermark, IP address filtering, video mask, heartbeat, ANR, cloud upgrade, smart supplement light, corridor pattern
PoE	Yes (IEEE802.3af)
Ingress Protection	IP67
Security	Video encryption, firmware encryption, HTTPS encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication, basic and digest authentication for HTTP/RTSP
D.O.R.I.	2.8~12mm(W) 218ft (66m) 87ft (27m) 44ft (13m) 23ft (7m), 2.8~12mm(T) 669ft (204m) 269ft (82m) 135ft (41m) 66ft (20m)
Power Supply	DC12V/PoE
Power Consumption	≤9.5W

BREAKDOWN OF MODEL NUMBERS EXAMPLE: VTC-TNB4MEA

[VTC]

[T]

[N]

[B]

[4]

[M]

[E]

[A]

VITEK

TRANSCENDENT

Network

Bullet

4MP

Motorized

Entry

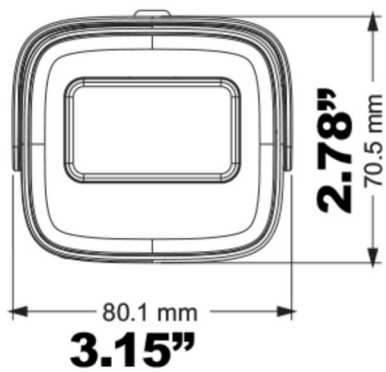
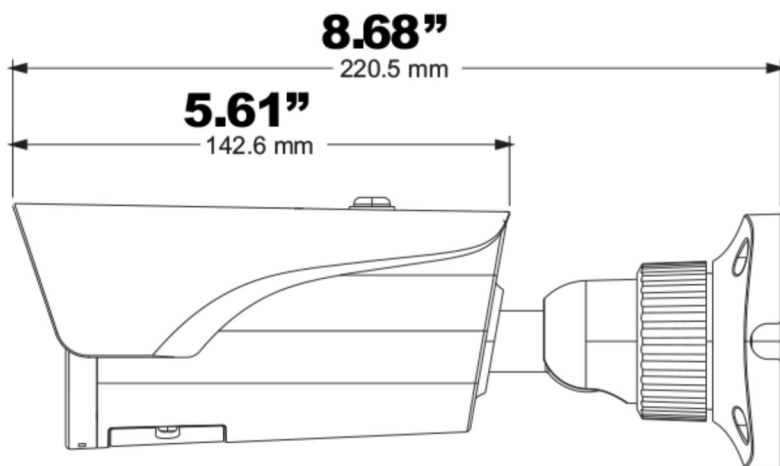
Second

Camera

Level

Iteration

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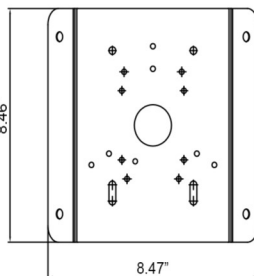
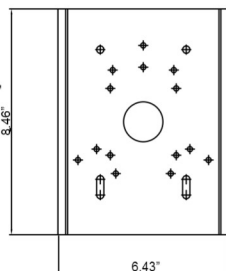
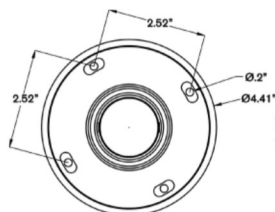
VT-TJB08
Optional Junction box for
Cable Management



VT-TPLMT
Universal Pole Mount
Adapter (Req
VT-TJB08)



VT-TCNMT
Universal Corner Mount
Adapter
(Req VT-TJB08)



NOTES

NOTES



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

TRANSCENDENT NVRs!

***A Standalone Solution with Programmable
Analytics and NDAA Compliance!***



- **12MP (4K) HDMI Output**
- **H.265S / H.265+ / H.265 / H.264 Video Compression**
- **Programmable Analytic Support Including Line Crossing, Region, Area Detection, and More!**
- **Available in 4, 8, and 16, 32, 64, and 128 Channels**
- **Up to 320TB Depending on Model (20TB per HDD)**
- **PoE Support Available (Model Dependent)**



**An Eye On
Innovation**

Also Consider Vitek NDAA Compliant Wireless Bridge Products to Reduce Costly Cable Installation!

VT-WB1150, VT-WB2150, and VT-WB5900 High Speed 5.8GHz DIP AP / CPE Wireless Bridge w/ 8MB Storage, 64MB RAM, High Speed Transmission, and Point-to-Multi-Point (P2MP) Topology



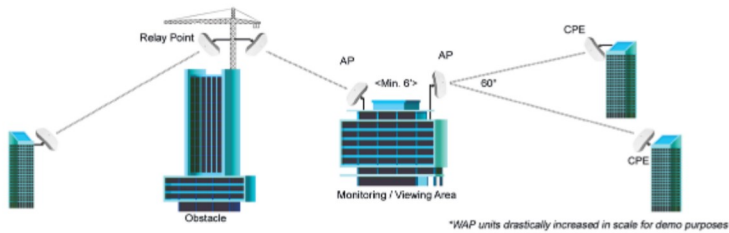
VT-WB1150



VT-WB2150



VT-WB5900



With wireless ranges of **3000ft.** (VT-WB1150), **1.25 miles** (VT-WB2150), and **3 miles** (VT-WB5900) 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 straight forward 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 over 100 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.



28492 CONSTELLATION ROAD VALENCIA, CA 91355
WWW.VITEKCCTV.COM

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