



VTC-TNT8MEA

Transcendent Series 8 MegaPixel
Motorized IP WDR Turret Camera

QUICK START GUIDE



*Also available in Charcoal,
VTC-TNT8MEAB



TRANSCENDENT



NETWORK



INTEGRATED
AUDIO



8 MEGAPIXEL



MATRIX IR /
WHITE LIGHT



MOTORIZED
VARIFOCAL LENS



PROGRAMMABLE
ANALYTICS

FEATURES:

- 1/2.8" 8.0 MegaPixel CMOS Image Sensor
- Up to 20fps@8MP (3840 x 2160), Up to 30fps @ 6MP and Lower
- 2.8-12mm Motorized Varifocal Lens
- Dual illumination with Matrix IR (up to 165' Range) and Knight Guard white light (up to 130' Range)
- Full-color night vision powered by Knight Guard's White Light LEDs
- True Wide Dynamic Range (120dB)
- True Mechanical Day/Night function by ICR
- XD-DNR (3D & 2D-DNR) Noise Reduction
- Programmable Analytics: Line crossing / Region Intrusion Detection (by human / vehicle classification), Object Abandoned / Missing, Scene Change Detection, 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*
- Remote Viewing via VMS, Web Browser, and iOS & Android Apps
- ONVIF Compliant
- IP67 Weather Resistance
- Optional J-Boxes and Mounting Options Available - see below
- 12VDC & PoE (Power over Ethernet) Operation

3-Year Warranty

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



PLEASE NOTE:

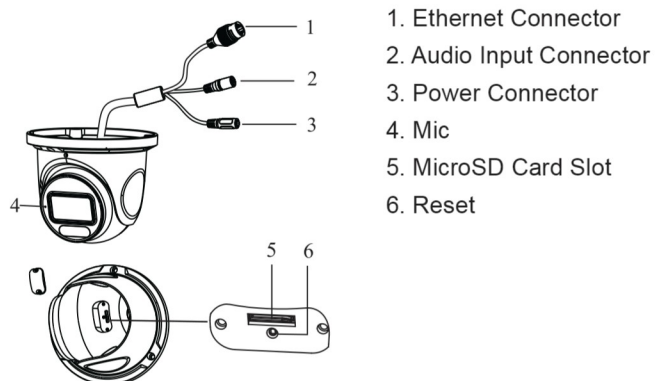
Complete User Guide, Software, Tools, and Updates are available online. Scan the QR Code or visit:
<http://www.vitekctv.com/Downloads>



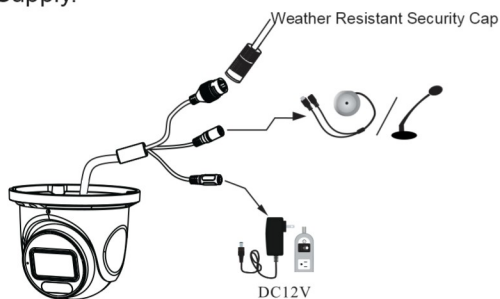
Components and Accessories

Camera		Drill Template	
Allen Key		Plastic Plugs + Rubber Plug	
Screws		Network Coupler	

Overview



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

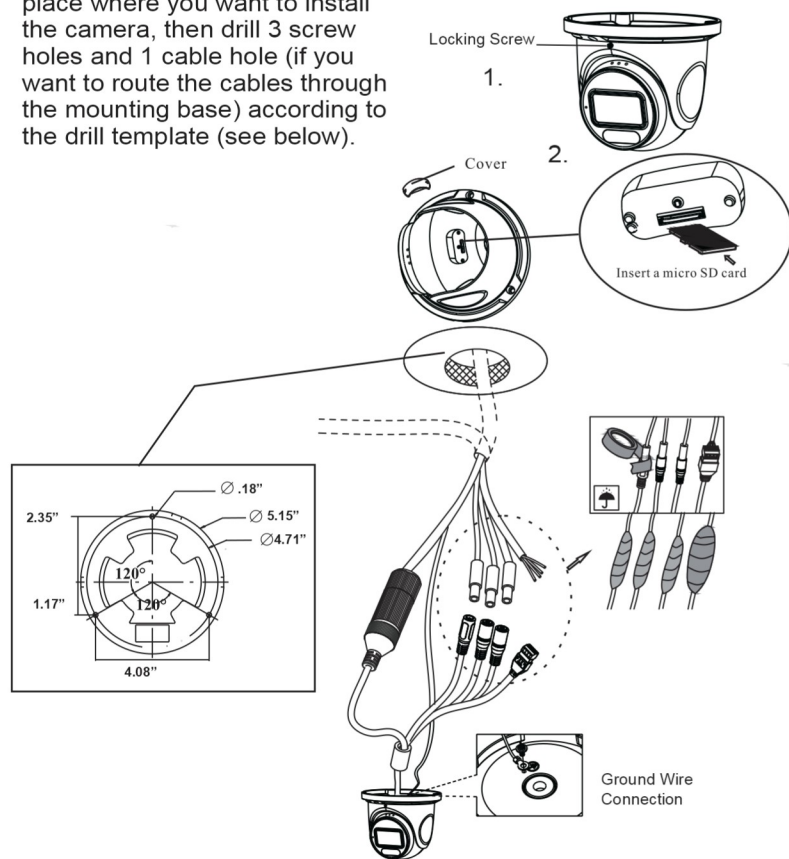


Installation

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:

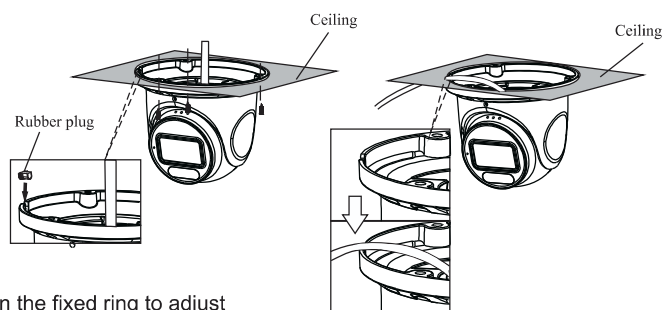
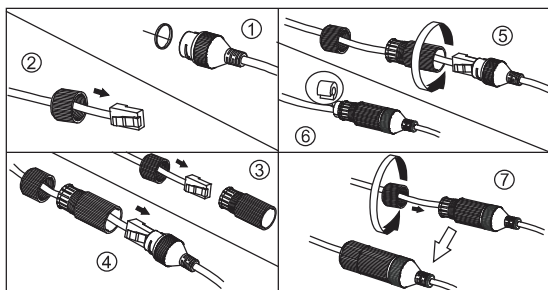
First Install a MicroSD Card as Demonstrated in Diagram at Right

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).

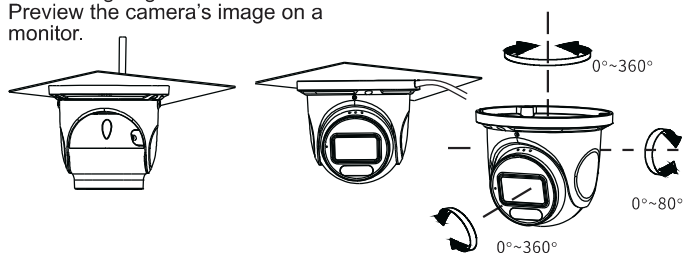


2. Route the cables and connect the power & video cables, then use the rubber plug to fill the gap on the mounting base.

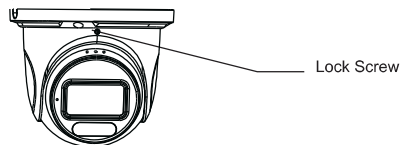
3. Attach the mounting base to the wall with the provided screws.



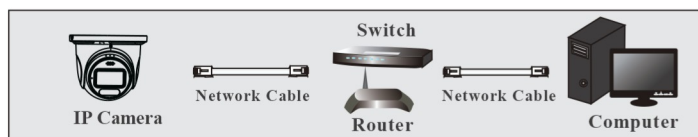
4. Loosen the fixed ring to adjust the viewing angle of the camera. Preview the camera's image on a monitor.



5. Tighten the lock screw to finish the installation.



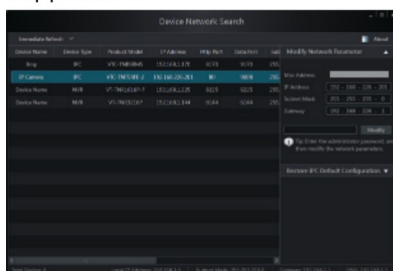
LAN Configuration



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 <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: []
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 and masked with dots), 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

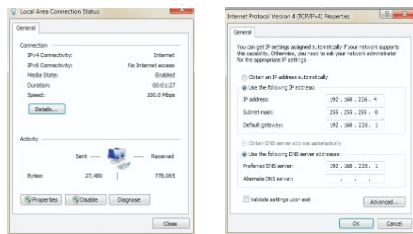
Subnet Mask: 255.255.255.0 Data Port: 9008

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 a browser (Edge, Chrome etc.) and input the default IP address of the camera.
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	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	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.

DETAILED SPECIFICATIONS: VTC-TNT8MEA

Image Sensor	1 / 2.8" CMOS
Image Size	3840×2160
Electronic Shutter	1 / 3s ~ 1 / 100000s
Lens	2.8~12mm Motorized Varifocal
Min. Illumination	0.02 lux @F1.6, AGC On, 0 lux with illumination on
Field of View	Horizontal 97.3°~34°, Vertical: 52.3°~17.7°, Diagonal: 116°~37°
Focus	Motorized Auto Focus
Supplemental Light Range	IR range: up to 165', White light range: up to 130'
Day & Night	ICR
Wide Dynamic Range	120dB
BLC	Yes - Backlight Control
HLC	Yes - Highlight Control
Digital Noise Reduction	Yes - DNR
S/N Ratio	≥50dB
Angle Adjustment	Pan: 0°~360°, Tilt:0°~80°, 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@Level4.1 High Tier
Resolution	8MP(3840×2160), 6MP(3200×1800), 4MP(2688×1520), 2K (2560×1440), 1080P(1920×1080), 720P(1280×720), VGA(640×480), 480×240, CIF
Main Stream	60Hz: 8MP(1~20fps) 6MP/4MP/1080P (1~30fps) 50Hz: 8MP(1~20fps) 6MP/4MP/1080P (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 ~12Mbps
Bit Rate Type	VBR / CBR
Image Settings	ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, Image Mirror, Image Flip, NR, etc. adjust 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*

DETAILED SPECIFICATIONS CONT'D: VTC-TNT8MEA

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 10 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
Smart Alarm	Motion detection, SMD, SD card error, SD card full, IP address conflict, network disconnection, video exception
Programmable Analytics	Line crossing / Region Intrusion Detection (by human / vehicle classification), Object Abandoned / Missing, Scene Change Detection, Video Blur, Video Color Cast 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 Weather Resistance
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) Detect: 288ft(88m) Observe: 114ft(35m) Recognize: 56ft(17m) Identify: 27ft(8m) 2.8-12mm(T) Detect: 908ft(277m) Observe: 364ft(111m) Recognize: 180ft(55m) Identify: 91ft(28m)
Power Supply	DC12V/PoE
Power Consumption	≤12W
Operating Conditions	-22°F~140°F (-30°C~60°C), Humidity: less than 95 % (non-condensing)
Dimensions	5.15" x 4.34" (130.7mm x 110.2mm)
Weight	1.46lbs / 23.28oz / 0.66kg (NET)
Installation	Ceiling mounting, wall mounting - see additional optional mounting options on page 1
Certificate	CE, FCC
Environmental Protection	Complies with Directive EU RoHS, WEEE(2012/19/EU) , directive 94/62/EC and REACH(EC1907/2006)

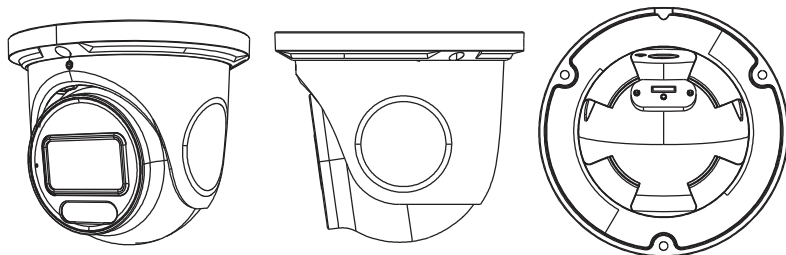
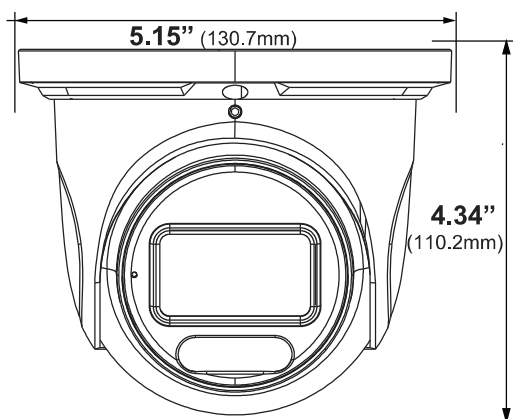
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BREAKDOWN OF MODEL NUMBERS EXAMPLE: VTC-TNT8MEA

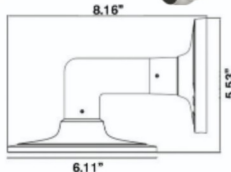
[VTC]	[T]	[N]	[T]	[8]	[M]	[E]	[A]
VITEK	TRANSCENDENT	Network	Turret	8MP	Motorized	Entry	Second
Camera						Level	Iteration

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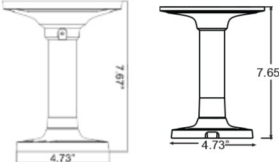




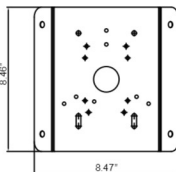
VT-TWM01
Optional Wall Mount (VT-TJB021 Required)



VT-TPDM-3
Pendant Mount -
VT-TJB021 Required



VT-TCNMT
Universal Transcendent
Corner Mount Adapter





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

TRANSCENDENT NVRs!

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



- **12MP 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



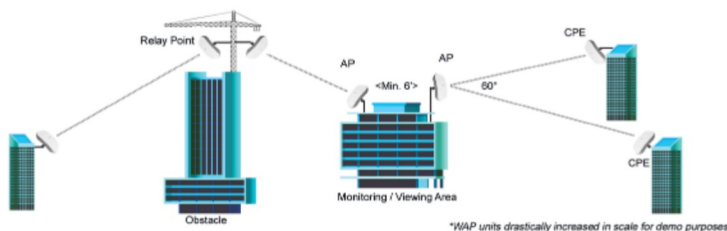
VT-WB1150



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.



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