



VTC-TNB8FEA-2
Transcendent 8 MegaPixel Fixed Lens
IP Bullet Camera with Knight Guard and
Programmable Analytics

QUICK START GUIDE



TRANSCENDENT



NETWORK



INTEGRATED
AUDIO



8 MEGAPIXEL



DUAL
ILLUMINATION



FIXED IRIS
LENS



STANDARD
ANALYTICS

FEATURES:

- 1/2.8" 8.0 MegaPixel CMOS Image Sensor
- Up to 20fps@8MP (3840 × 2160), Up to 30fps @ 6MP and Lower
- 2.8mm Fixed Iris Lens
- Dual illumination with Matrix IR and Knight Guard white light (up to 100' 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
- Widescreen 16:9 aspect ratio
- 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 Junction Box (VT-TJB08) Available (See Additional Mounting Options Below)
- 12VDC & PoE (Power over Ethernet) Operation
- 3-Year Warranty



PLEASE NOTE:

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



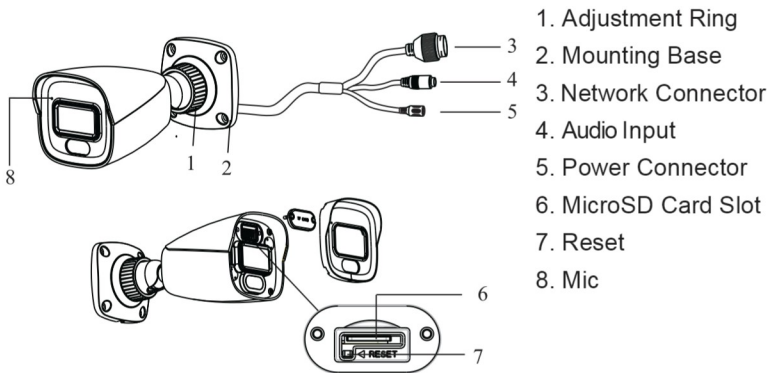
**Please research local, state and federal laws regarding the implementation of audio surveillance.*

VITEK

Components and Accessories

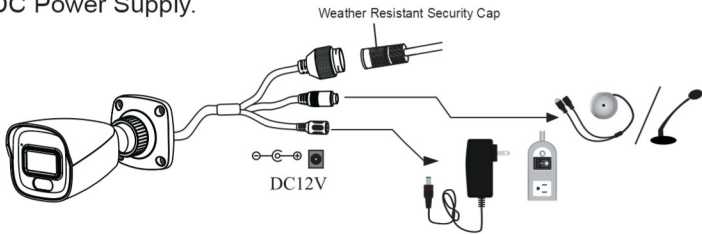
Camera		Drill Template	
Quick Guide		Plastic Plugs	
Screws		Network Coupler	

Overview



Cable Connections

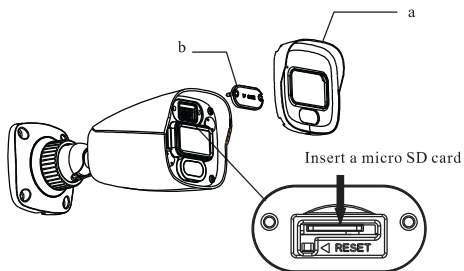
First connect the Weather Resistant Cap to an Ethernet patch cable, then connect the cameras ethernet adaptor. If not powering the camera with PoE, also connect the power Cable to an approved 12VDC Power Supply.



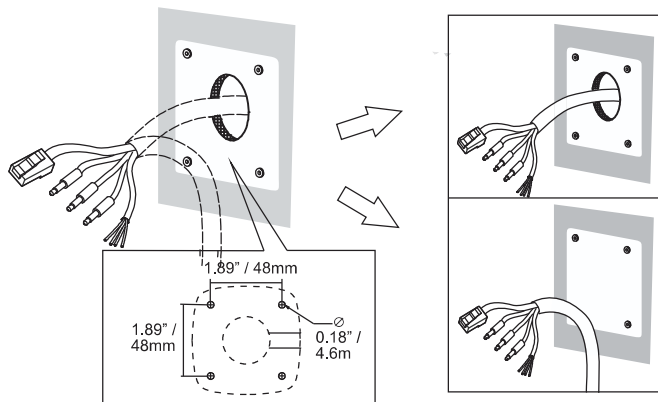
Installation

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:

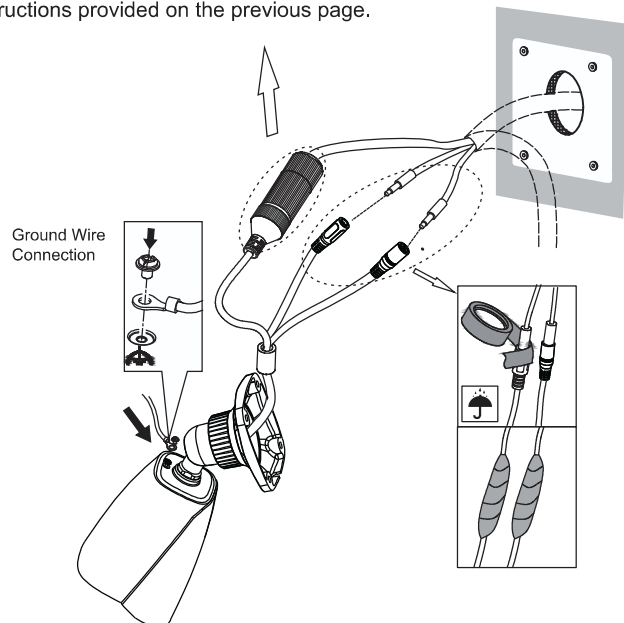
First Install a MicroSD Card as Depicted Below (Optional)



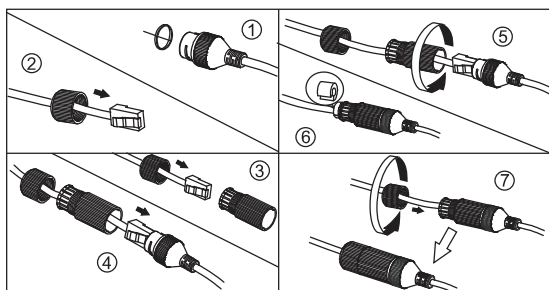
1. Attach the drill template to the place where you want to install the camera, then drill screw holes and 1 cable hole (if you want to route the cables through the mounting base) according to the drill template (see below).



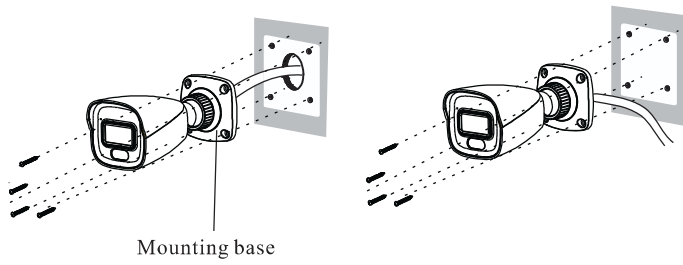
2. Route and connect relevant cables using the Weather Resistant Network Coupler instructions provided on the previous page.



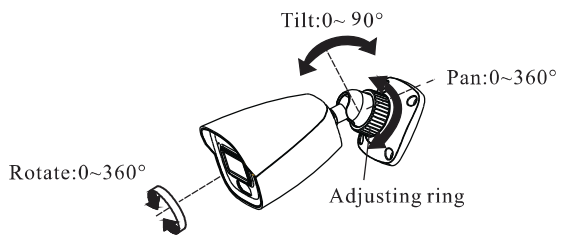
CONNECT THE NETWORK CABLE



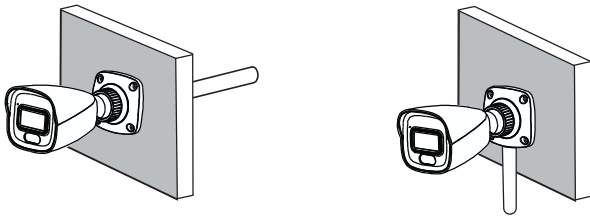
3. Attach the mounting base to the wall with the provided screws.



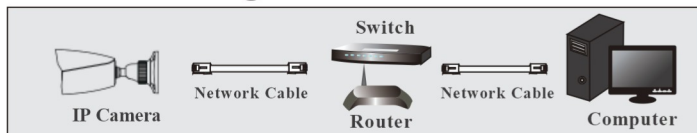
4. Loosen the adjusting ring to adjust the viewing angle of the camera. Before adjustment, view the image of the camera on a monitor.



5. Tighten the adjusting ring to finish the installation.



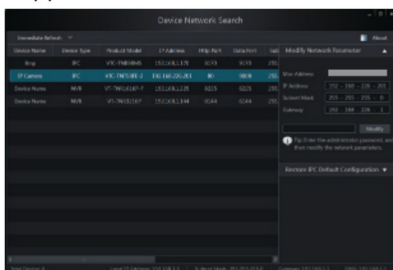
LAN Configuration



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 <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

** 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:



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

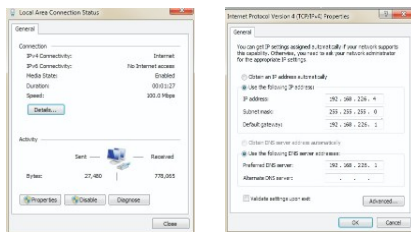
Subnet Mask: 255.255.255.0 Data Port: 9008

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.



DETAILED SPECIFICATIONS - VTC-TNB8FEA-2

Image Sensor	1/2.8" CMOS
Image Size	3840x2160
Electronic Shutter	1/3s ~ 1/100000s
Iris Type	Fixed Lens
Min. Illumination	0.02 lux @F1.6, AGC ON; 0 lux with illumination on
Lens	2.8mm
F.o.V.	Horizontal FoV: 106°, Vertical FoV:57°, Diagonal FoV:124°
Supplemental Light Range	IR range: up to 100', White light range: up to 100'
Day & Night	ICR
Wide Dynamic Range	120dB
BLC	Yes - Backlight Control
HLC	Yes - Highlight Control
Digital NR	Yes - Digital Noise Reduction
S/N Ratio	≥50dB
Angle Adjustment	Pan: 0°~180°, 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 Compression Standard	Main Profile @ Leve4.1 High Tier
Resolution	8MP (3840x2160), 6MP (3200x1800), 4MP (2688x1520), 1080P (1920x1080), 720P (1280x720), D1, VGA (640x480), CIF (480x240)
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	D1/480x 240/CIF (60Hz: 1~30fps; 50Hz: 1~25fps)
Bit Rate	64 Kbps ~ 8Mbps
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*

DETAILED SPECIFICATIONS - VTC-TNB8FEA-2

Storage	Built-in microSD 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
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
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
DORI	Detect: 259ft (79m) / Observe: 105ft (32m) / Recognize: 52ft (16m) / Identify: 27ft (8m)
Power Supply	DC12V/PoE
Power Consumption	≤7W
Operating Conditions	-22°F~140°F (-30°C ~ 60°C), Humidity: less than 95 % (non-condensing)
Dimensions	6.60" × 2.93" × 2.94" (167.6mm × 75mm × 74.6mm)
Weight (Net, Gross)	1.15lb / 18.34oz / 0.52kg, 1.46lb / 23.28oz /0.66kg (Gross)
Installation	Ceiling mounting, wall mounting (see page 1)
Certificates	CE, FCC
Environmental Protection	Complies with Directive EU RoHS, WEEE(2012/19/EU) , directive 94/62/EC and REACH (EC1907/2006)

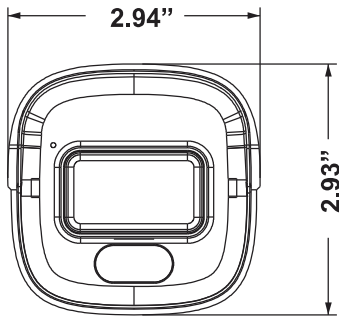
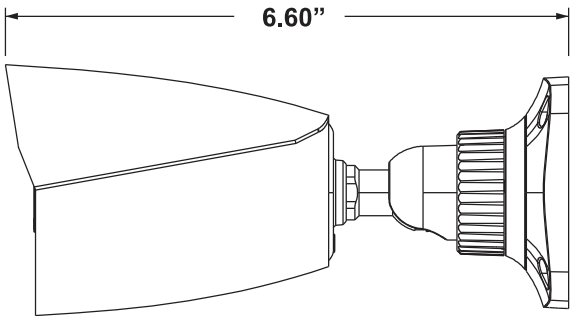
*Please research local, state and federal laws regarding the implementation of audio surveillance.

BREAKDOWN OF MODEL NUMBERS EXAMPLE: VTC-TNB8FEA-2

[VTC]	[T]	[N]	[B]	[8]	[F]	[E]	[A]	[2]
VITEK	TRANSCENDENT	Network	Bullet	8MP	Fixed	Entry	Second	2.8mm
Camera						Level	Iteration	Lens



DIMENSIONS: VTC-TNB8FEA-2





OPTIONAL MOUNTS FOR VTC-TNB8FEA-2



VT-TJB08

*Optional Junction box for
Cable Management*



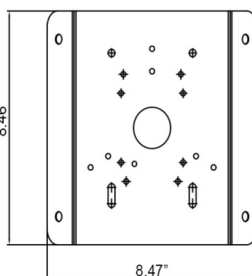
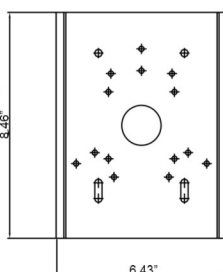
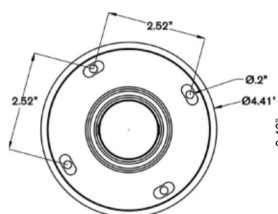
VT-TPLMT

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



VT-TCNMT

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



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

Version 1.0
06/2025