VTC-TNT4FEA-2

Transcendent Series 4 MegaPixel Fixed Lens IP WDR Turret Camera

QUICK START GUIDE

**Also available in Charcoal, VTC-TNT4FEAB-2*

CABLE CONNECTIONS
*Ethernet (PoE), 12VDC Input, Audio In**

MICRO SD CARD SLOT
Supporting up to 256GB MicroSD Cards

KNIGHT GUARD

PROGRAMMABLE ANALYTICS

NDAA

TRANSCENDENT · NETWORK · INTEGRATED AUDIO · 4MP 4 MEGAPIXEL · MATRIX IR LED ILLUMINATION · FIXED LENS · PROGRAMMABLE ANALYTICS

FEATURES:

- 1/3.0" 4.0 MegaPixel CMOS Image Sensor
- Up to 30fps @ 4MP (2560 × 1440)
- 2.8mm Fixed Iris Lens
- Matrix IR / White Light (up to 100' Range)
- True Wide Dynamic Range (120dB)
- True Mechanical Day/Night function by ICR
- 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, Internet Explorer (Plug-in Required), Edge in IE Mode, and iOS & Android Apps
- ONVIF Compliant
- IP67 Weather Resistance
- 12VDC & PoE (Power over Ethernet) Operation
- 3-Year Warranty

TRANSCENDENT

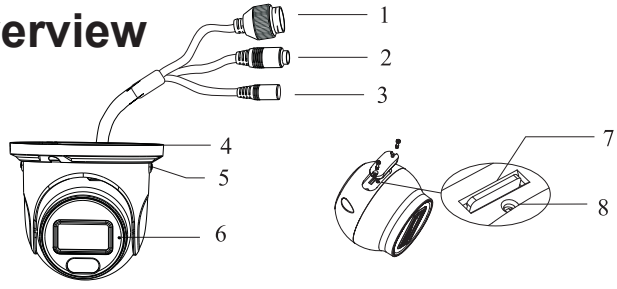
PLEASE NOTE:
Complete User Guide, Software, Tools, and Updates are available online. Scan the QR Code or visit: http://www.vitekcctv.com/Downloads

VITEK

Components and Accessories

Camera		Drill Template	
Quick Guide		Plastic Plugs	
Screws		Network Coupler	

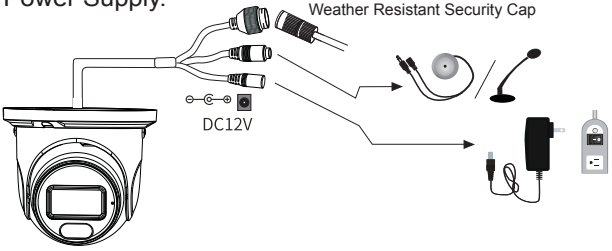
Overview



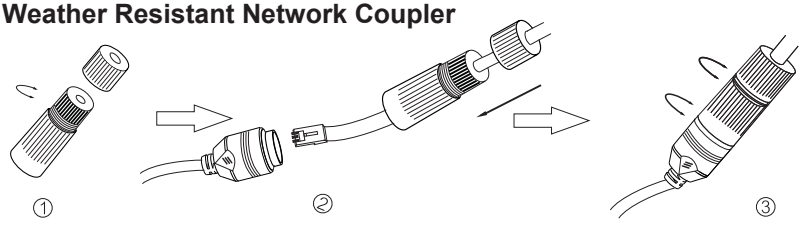
1	Ethernet connector	5	Fixed screw
2	Audio input (3.5mm)	6	Microphone
3	Power connector	7	Micro SD card slot
4	Mounting base	8	Reset

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.



Weather Resistant Network Coupler

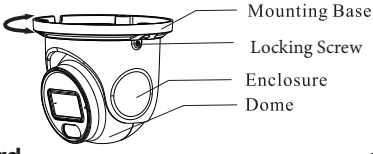


1. Loosen the nut from the Weather Resistant Network Coupler,
2. Run ethernet cable through coupler, then attach a RJ-45 connector.
3. Tighten the nut and coupler for a weather resistant seal.

Installation

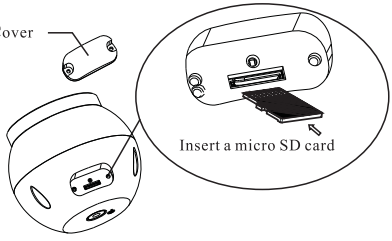
Before beginning installation, make sure that the wall or ceiling is strong enough to withstand 3 times the weight of the camera. The mounting steps are as follows:

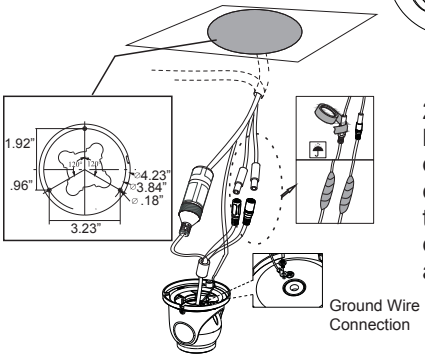
1. Loosen the screws to diassemble the camera.



Install a MicroSD Card

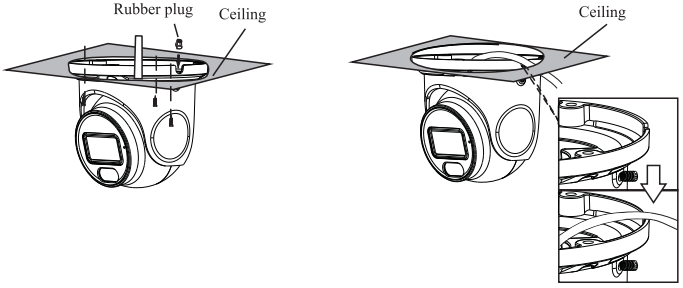
1. a) Unscrew the cover at the rear of the 'ball' and insert a MicroSD card. Re-install the cover, make sure it is firmly in place. Re-install the ball using the fixed screws.



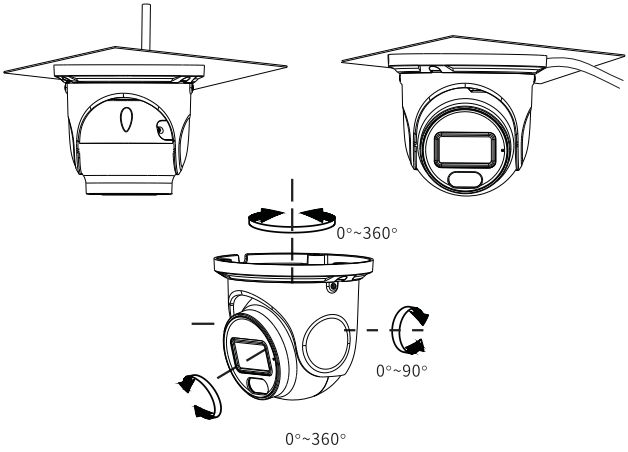


2. Drill screw holes and cable hole in the according to drill template. Then route and connect the cables, including the weather resistant security cap using the instructions above.

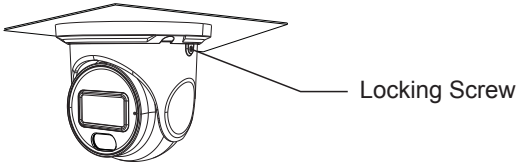
3. Secure the mounting base using the screws provided.



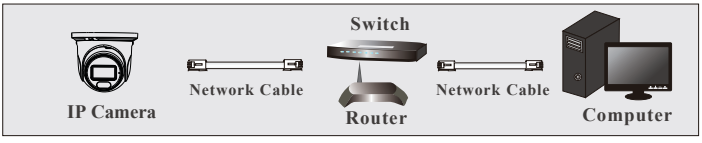
3. Adjust the camera to achieve the optimal viewing angle by loosening the locking screws. Before adjustment, preview the camera's image on a monitor.



4. Tighten the locking screws after adjusting the viewing angle of the camera.



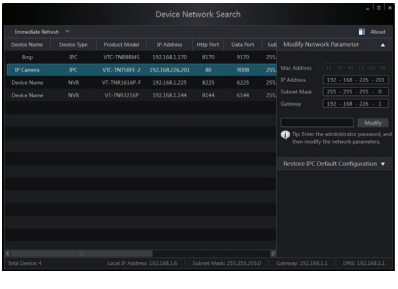
LAN Configuration



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

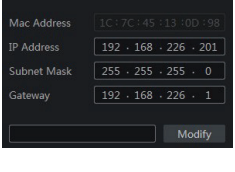
Accessing the Camera Using the IP-Tool

1. Make sure the camera and PC are connected to the LAN.
2. Locate the IP-Tool installer at https://vitekcctv.com/sdm_downloads/transcendent-ip-tool-v3-0/, then install on the PC. Open the installed application.



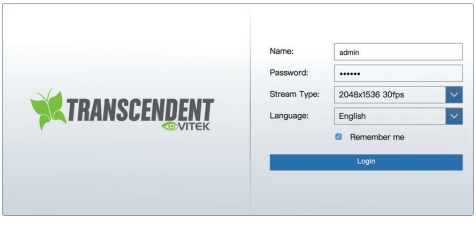
3. Modify the IP address. The default IP address is 192.168.226.201. Click the information of the camera listed in the above table to show the network information on the right side. Modify the IP address and gateway of the camera and make sure its network address is in the same local network segment 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.



** 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:

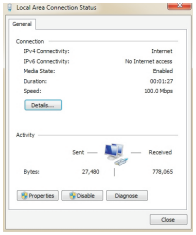


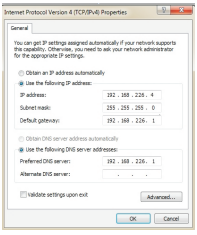
Input the user name and password to log in.
Default user name: admin / Default password: 123456.

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.





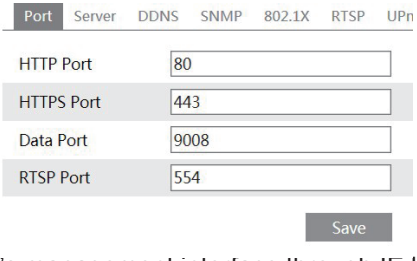
2. Open the IE Browser and input the default address of IP-CAM and confirm. The IE browser will download Active X control.
3. After downloading Active X control, the login dialog box will pop up.
4. Input the default username and password and then enter to view.

WAN Configuration

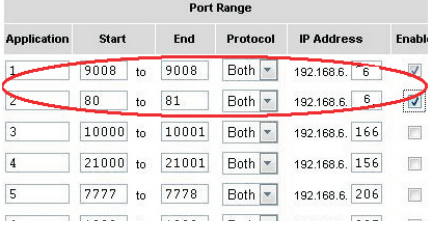
Access the camera by the router or virtual server for example.

1. Make sure the camera is connected to the LAN; Then log into the camera via LAN and go to System Congfig→Network Config→Port menu to set up the port number.

2. Enter System Config→Network Config→IP Address menu to modify the IP address.



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".



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-TNT4FEA-2

Image Sensor	1/3.0" CMOS
Image Size	2560 × 1440
Electronic Shutter	1/1s ~ 1/100000s
Iris Type	Fixed Iris
Min. Illumination	0.005 lux @F1.6, AGC ON, 0 lux with illumination on
Lens	2.8mm@F1.6, Horizontal FoV: 104°, Vertical FoV:55°, Diagonal FoV:128°
Focus	Fixed
Day & Night	ICR
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 @ Leve4.1 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

DETAILED SPECIFICATIONS CONT'D: VTC-TNT4FEA-2

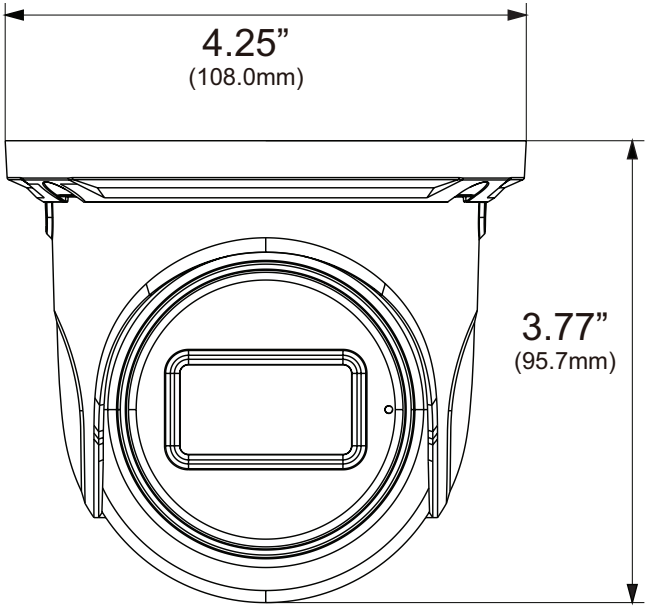
Audio	1CH Audio Input, 1CH Built-in MIC*
Storage	Built-in micro SD card slot (up to 256GB) + Network Remote Storage
Reset	Yes
Remote Monitoring	Web browser / Transcendent NVR / VMS / Mobile App
Web Browser	Chrome 89.0+ / Edge 89.0+ / Firefox 87.0+ / Safari 14.0+
Online Connection	Support simultaneous 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)
Supplement Light Range	IR range: up to 100', White light range: up to 100'
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.	Detect: 203ft (62m) Observe: 81ft (25m) Recognize: 40ft (12m) Identify: 20ft (6m)
Power Supply	DC12V/PoE
Power Consumption	≤6.5W
Operating Conditions	-22°F~140°F (-30°C ~ 60°C), Humidity: less than 95 % (non-condensing)
Dimensions Dia × H	3.77 × 4.25" (95.7 × 108mm)
Weight	16.93oz / 1.01lb / 480g (NET) 1.30lb / 20.81oz / 590g (SHIPPING)
Installation	Ceiling mounting, Wall mounting
Certificates	CE, FCC

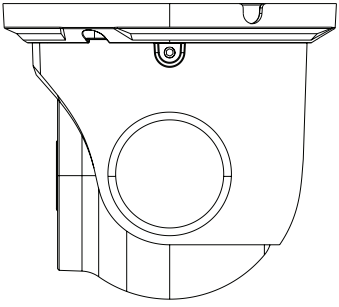
BREAKDOWN OF MODEL NUMBERS EXAMPLE: VTC-TNT6FEA-2

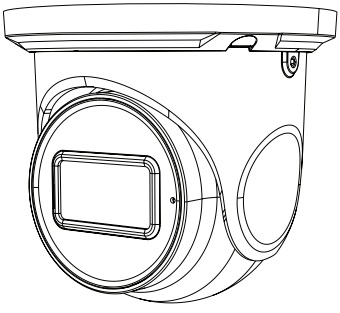
[VTC]	[T]	[N]	[T]	[4]	[F]	[E]	[A]
VITEK Camera	*TRANSCENDENT*	*Network*	*Turret*	*4MP*	*Fixed*	*Entry Level*	*Second Iteration*

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

DIMENSIONS







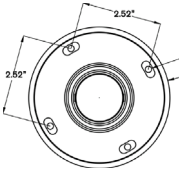
OPTIONAL ACCESSORIES AND RELATED PRODUCTS FOR VTC-TNT4FEA-2

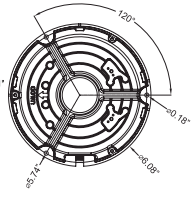
VT-TJB08
Optional Junction box for Cable Management

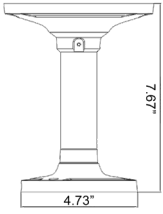
VT-TJB01
Optional Junction box for Cable Management

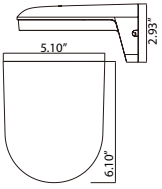
VT-TPDM2
Pendant Mount - reqs. VT-TJB01

VT-TWMT3
Optional Wall Mount

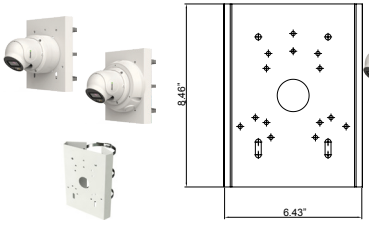




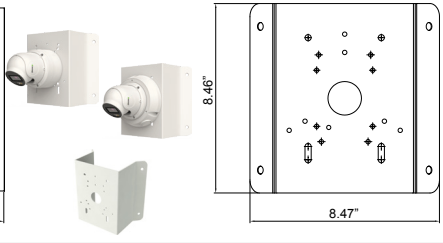




VT-TPLMT
Universal Pole Mount Adapter - reqs. VT-TJB08 / VT-TJB01



VT-TCNMT
Universal Corner Mount Adapter - reqs. VT-TJB08 / VT-TJB01



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.

VITEK®
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WWW.VITEKCCTV.COM

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