VTD-TND6FPN
Transcendent Series
6 Megapixel IP Vandal Dome
360° Fisheye Camera

QUICK START GUIDE

NDAA COMPLIANT

*Optional Mounts Sold Separately

TRANSCENDENT | NETWORK | 6MP 6 MEGAPIXEL | 65' IR LED ILLUMINATION | PROGRAMMABLE ANALYTICS | 360° FISHEYE LENS

FEATURES

- 1/2.5" 6.0 MegaPixel CMOS Image Sensor
- Up to 30fps@2160×2160
- 1.65mm@F2.0 360° Fixed Fisheye Lens with Dewarping
- True Mechanical Day/Night function by ICR
- XD-DNR (2D-DNR & 3D-DNR) Noise Reduction
- ROI Encoding
- H.265/(+)/H.264/(+)/MJPEG Triple Streaming
- Secondary Video Output (CVBS)
- MicroSD memory card slot for Local recording supporting up to 256GB
- IP67 Ingress Protection
- 12VDC & PoE (Power over Ethernet) Operation
- 4 High Power Covert IR LEDs with 65' IR Range
- Intrusion, Target Counting, Crowd Density, Heat Map
- Integrated Audio*
- 12VDC + PoE Operation
- Optional J-Box VT-TJB-F1, Pendant Mount VT-TPDM-F, and Wall Mount VT-TWM-F (See page 17)
- 3-Year Warranty

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

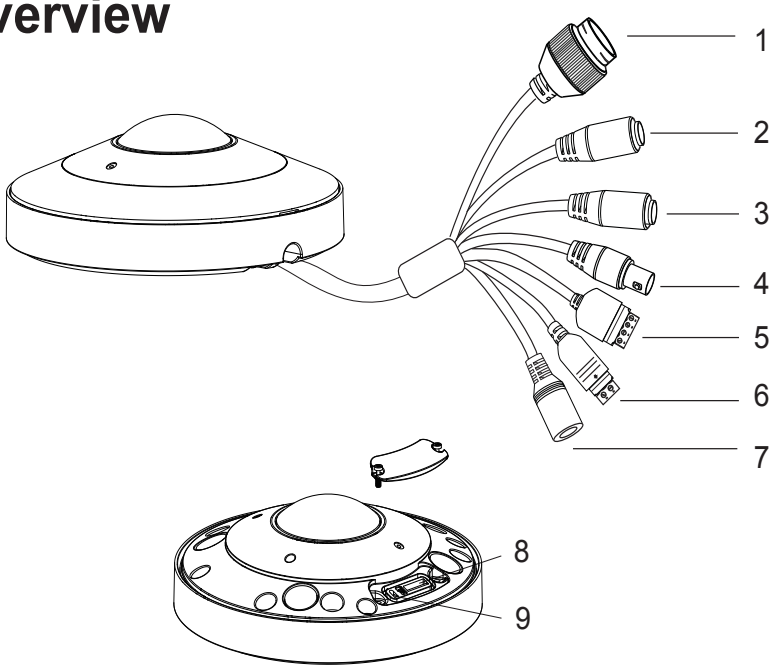
PLEASE NOTE:
Complete User Guide, Software, Tools, and Updates are available online. Scan the QR Code or visit:
http://www.vitekcctv.com/Downloads

VITEK

Components and Accessories

Camera		Drill Template	
Quick Guide		Plastic Wall Anchors	
Screws		Waterproof Cap	
Hex Wrench			

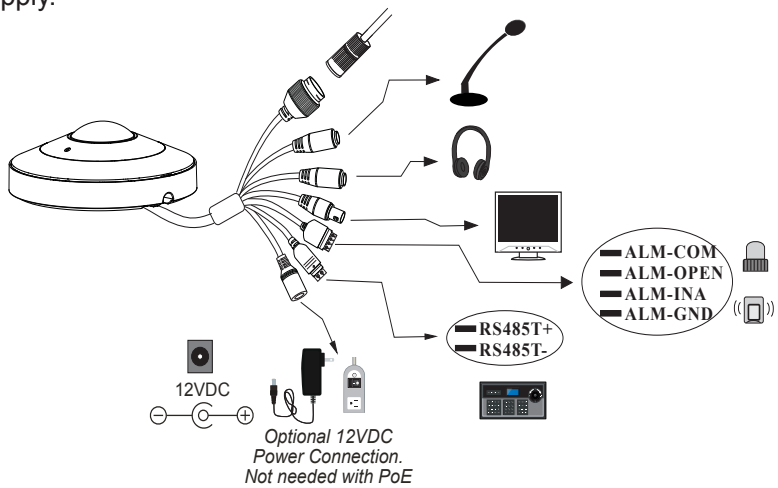
Overview



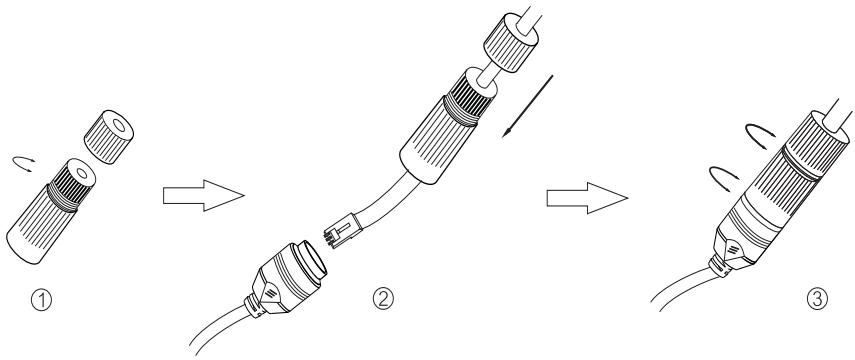
1	RJ-45 Ethernet	6	RS-485
2	Audio In	7	Power Cable
3	Audio Out	8	MicroSD Card Slot
4	CVBS Output	9	Reset
5	Alarm I/O		

Network Cable & Power Connections

First connect the Water 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.



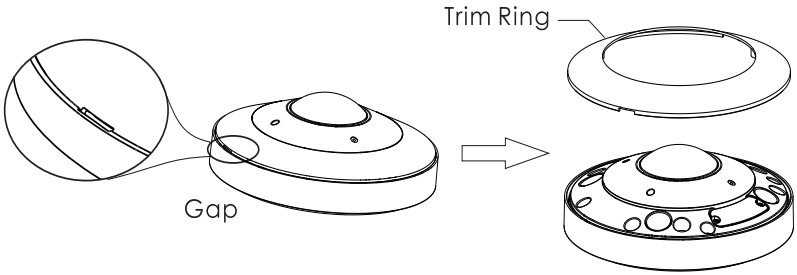
Weather Resistant Network Coupler



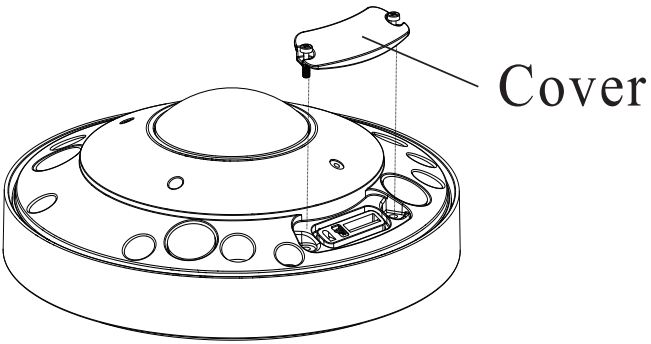
1. Loosen the nut from the Weather Resistant Network Coupler,
2. Run ethernet cable through coupler, then attach a RJ-45 connector.
3. Tighten the nut and coupler for a weather resistant seal.

SD Card Installation

1. Remove the fixed ring from the camera.



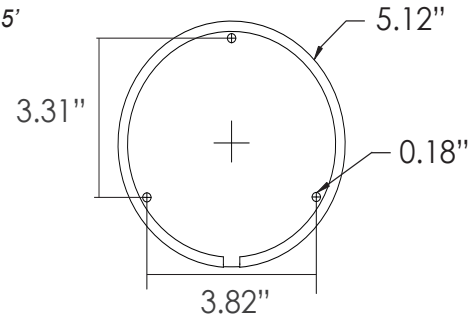
2. Loosen the screws of the cover of the SD card and then insert the SD card. Then reinstall the cover ring.



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:

**Optimal mounting height is 10'~15'*



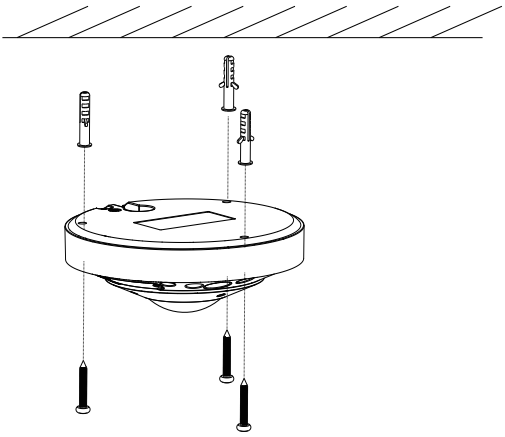
1. Remove the trim ring from the gap of the camera (see Install SD Card)

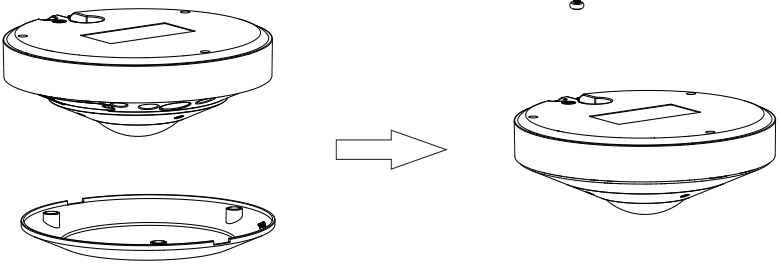
2. Drill the screw holes and the cable hole on the wall according to the drill template.

3. Route and connect the cables.

4. Fix the camera to the wall with screws as shown.

5. Install the trim ring back onto the camera.

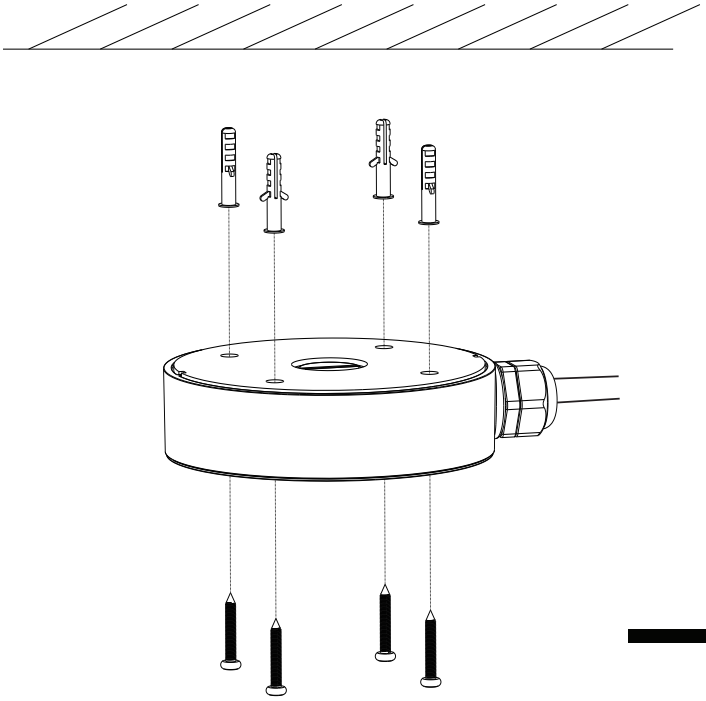




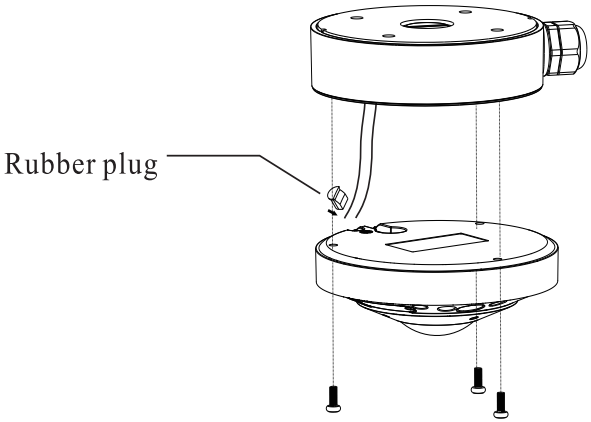
Installation with J-Box

1. Remove the trim ring from the gap in the camera housing (See SD Card Installation, previous).

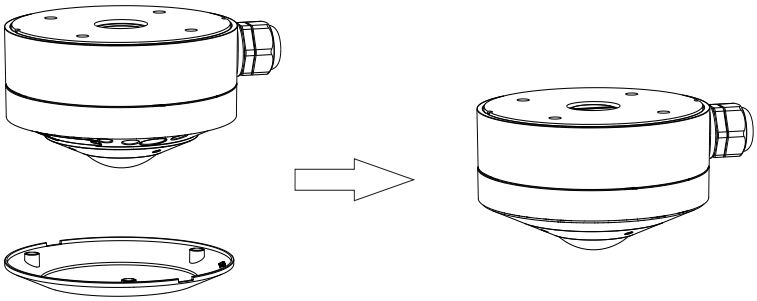
2. Install the Junction Box onto the Wall.



3. Route the cables through the cable hole (take side conduit cabling for example), and connect the cables Then fasten the camera onto the junction box with screws.



3. Install the trim ring back on the camera to complete installation.

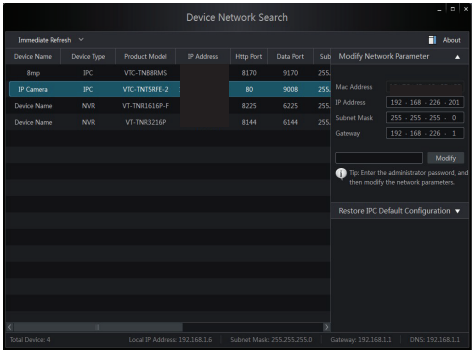


LAN Configuration

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

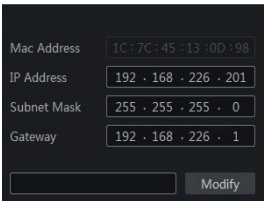
Accessing the Camera Using the IP-Tool

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



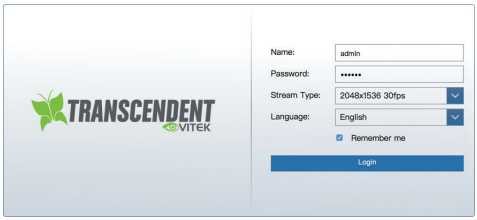
3. Modify the IP address. The default IP address is 192.168.226.201. Click the information of the camera listed in the above table to show the network information on the right side. Modify the IP address and gateway of the camera and make sure its network address is in the same local network segment 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 should be changed to 192.168.13.X. After modifying, 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. The browser will download the Active X control. After downloading the Active X control, a login window will pop up as shown below:

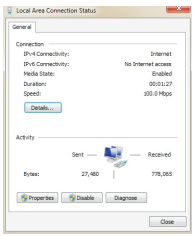


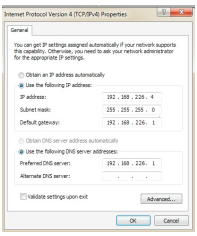
Input the user name and password to log in.
Default user name: admin / Default password: 123456.

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.





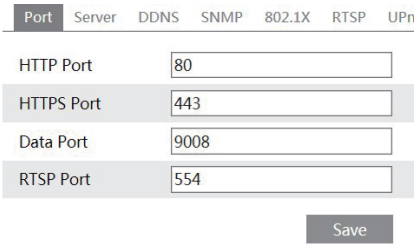
2. Open the Browser and input the default address of IP-CAM and confirm. The browser will download the Active X control.
3. After downloading the Active X control, a login dialog box will pop up.
4. Input the default username and password and then enter to view.

WAN Configuration

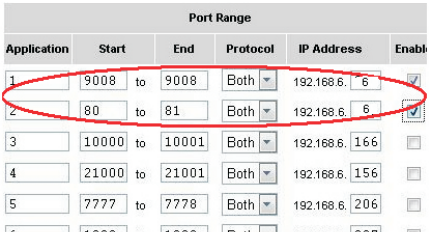
Access the camera by the router or virtual server for example.

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.



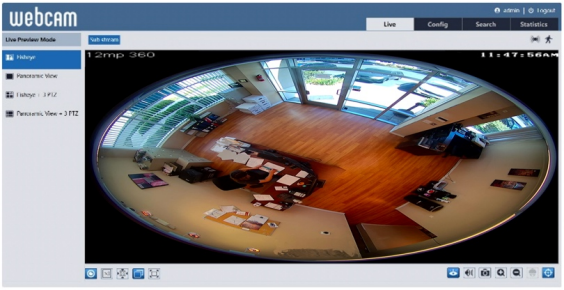
3. Go to the router's management interface through IE browser to forward the IP address and port of IP-CAM in the "Virtual Server".



4. Open the web browser and input its WAN IP and HTTP port to access the IP-CAM.

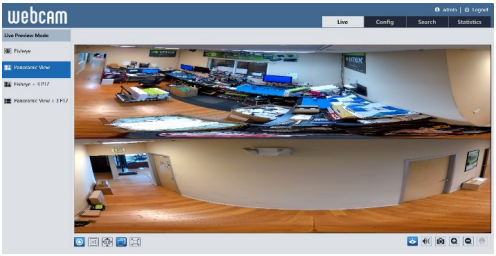
5. For additional setup, features and functions, please scan the QR code on the front page of this quick guide and download the complete manual.

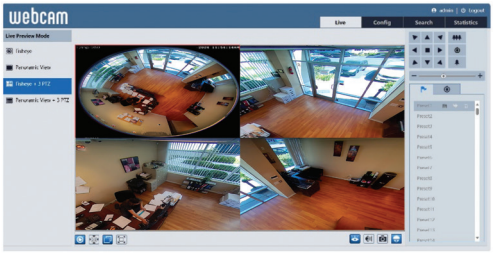
After logging into camera you will come to the live screen.

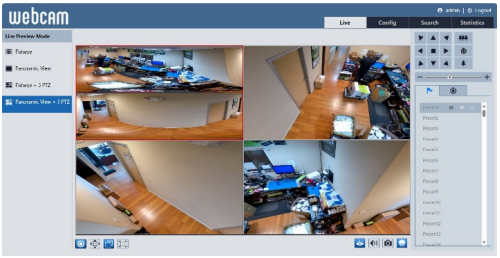


On the live screen you have four choices of view

Fisheye, Panoramic, Fisheye + 3 PTZ and Panoramic + 3PTZ

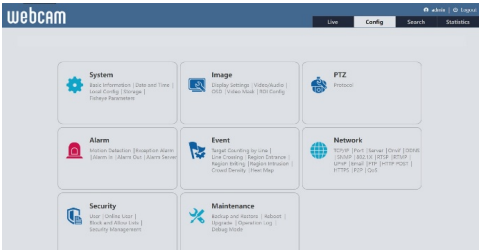






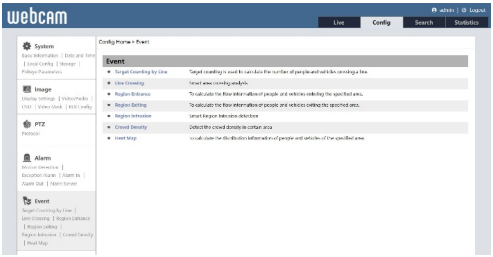
To configure camera, click on the Config Tab

This will bring you to the programming page

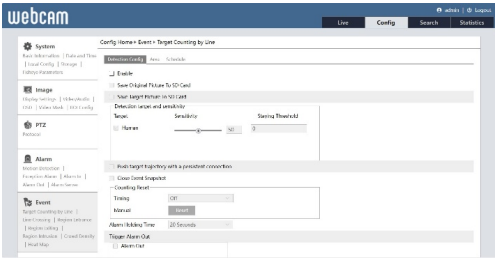


On this page you can program the cameras image settings network configuration, events etc.

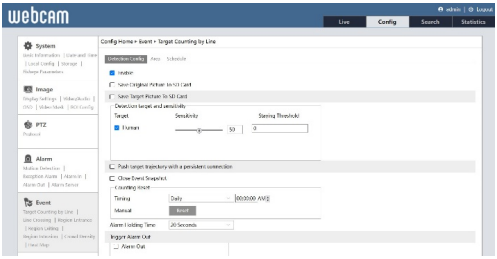
Click on any of the headers to enter that section, we'll use Events as an example



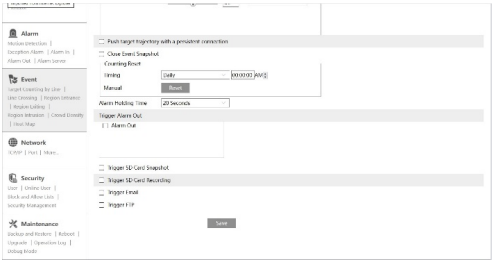
On the Event page you will have a choice of which event to use, by clicking on that event you will be brought to the page to program that event, example, Target Counting by Line



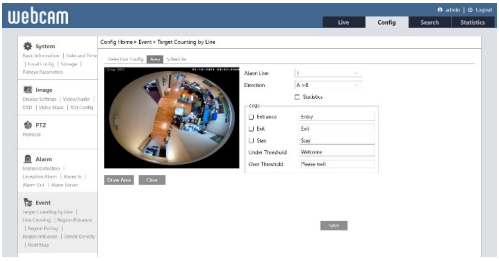
Check "Enable" to activate this feature then select which options you would like to use



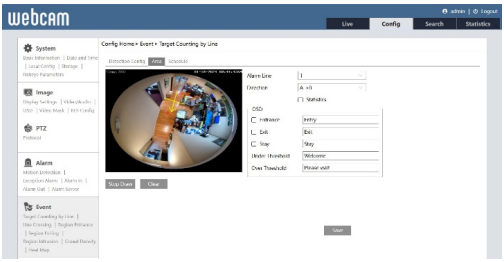
Then click on “Save” at bottom of screen



Next click on “Area”

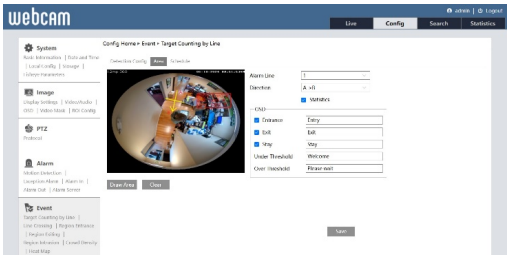


Click on “Draw Area” and then left click and drag where you want the line



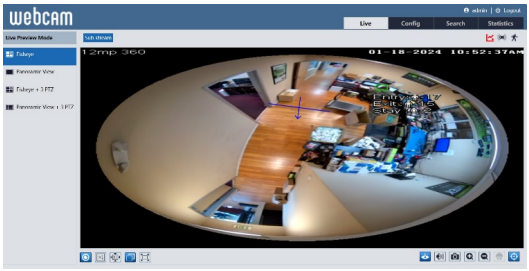
Click on “Stop Draw” then chose the Direction of entrance

To have the count on the screen of people entering and exiting click on Statics and enable the “OSD” Entrance, Exit and Stay



Then Click “Save”

Click on the “Live” tab at the top to go to the live screen and you will see the statistics of how many entered and exited and a total still in



NOTES

DETAILED SPECIFICATIONS - VTD-TND6FPN

Image Sensor	1/2.5" Progressive Scan CMOS
Max. Resolution	2160×2160
Electronic Shutter	1/3s ~ 1/100000s
Min. Illumination	0.01 lux@F2.0, AGC ON, 0 lux with IR
Lens	Fixed 1.65mm @F2.0, horizontal field of view : 180° (wall mounting), 360° (ceiling)
WDR	True WDR 120dB
S/N Ratio	≥50dB
IR Distance	4 Covert Hi Power IRs / Up to 65' (20M)
Digital NR	XD DNR (3D-DNR / 2D-DNR)
Video Compression	Main stream: H.265+ / H.265/ H.264+ / H.264, Sub stream: H.265+ / H.265/ H.264+ / H.264 MJPEG
H.264 Standard	Baseline Profile / Main Profile / High Profile
Main Stream (3 Modes)	1: Fisheye: 30fps@(2160×2160/1440×1440) Panoramic: 30fps@(3200×1800/1920×1080) 3PTZ: 15fps (1280×720) * 3 2: Fisheye + 4 PTZ: 30fps@(2160×2160, 1440×1440) 4PTZ: 15fps@(1280×720) * 4 3: Fisheye: 30fps@(2160×2160, 1440×1440), 4PTZ Fusion View: 20fps@2560×1440
Sub Stream	Fisheye View: 30fps@(960×960,480×480)
Bit Rate / Type	64Kbps ~ 10Mbps / VBR/CBR
Audio / Compression	2CH Built-in MIC, 1 CH Audio Input, 1CH Audio Output* / G711A, G711U
Image Settings	ROI, Sat., Brightness, Hue, Contrast, WDR, Sharpness, Image Flip / Mirror, NR **adjustable through client software / browser*
ROI	8 ROI, Each ROI to be Configured Separately
Network	1 CH RJ45 10M / 100M Self-Adaptive Ethernet Port
Video Output	CVBS (BNC ×1)
RS-485	Yes, Half-Duplex
Other Features	BLC, HLC
Reset	Yes
Alarm	1CH alarm input, 1CH alarm output
Remote Monitoring	Web Browser / Transcendent VMS / NVR / Mobile App
Web Browser	IE11(plug-in required) / Chrome 89.0+ / Edge 89.0+ / Firefox 87.0+ / Safari 14.0+
Online Connection	Support Simultaneous Monitoring for up to 6 Users
Network Protocol	Support Multi-stream Real Time Transmission
Interface Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RT(C/M)P, SNMP, PPPoE, DDNS, 802.1x, SMTP, FTP, UPnP, HTTP/S/POST, QoS, P2P
Analytics	Region Intrusion / Region Entrance / Region Exiting / Target Counting by Line Crossing, Crowd Density, Heat Map
Smart Alarm	Motion Detection, Sensor Alarm, SD Card Error, SD Card Full, IP Address Conflict, Cable Disconnection
General Functions	Watermark, Video Mask, Heart Beat, Corridor Pattern, Fisheye Dewarping, System Backup
PoE	Yes, IEEE802.3af
Storage	Built-in MicroSD Card Slot, up to 256GB
Ingress Protection	IP67
Power Supply	DC12V/PoE
Power Consumption	<10W
Working Environment	-30°C to 60 °C (-22°F to 140 °F), Humidity: 95% or Less (Non-Condensing)
Dimensions, Weight	5.16" x 1.81" (131 x 46mm), 97lbs / 15.52/ 440g (Net), 1.23lbs / 19.75 oz / 560g (Gross)
Dimensions, Weight	

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

OPTIONAL MOUNTS FOR VTD-TND6FPN

VT-TJB-F1
Junction Box for Transcendent VTD-TND6FPN Fisheye Dome Camera

VT-TWM-F
Wall Mount for Transcendent VTD-TND6FPN Fisheye Dome Camera

VT-TPDM-F
Pedestal Mount for Transcendent VTD-TND6FPN Fisheye Dome Camera

VT-TPLMT
Universal Transcendent Pole Mount Adapter - reqs. VT-TWM-F

VT-TCNMT
Universal Transcendent Corner Mount Adapter - reqs. VT-TWM-F

TRANSCENDENT
VITEK

OPTIONAL ACCESSORIES AND RELATED PRODUCTS FOR NDAA COMPLIANT TRANSCENDENT IP CAMERAS

TRANSCENDENT NVRs!

A Standalone Solution with GEN. IV Advanced Analytic Support and NDAA Compliance!

NDAA COMPLIANT

INTELLIGENT ANALYTICS GEN IV

- *Up to 12MP Recording*
- *H.265S / H.265+ / H.265 / H.264 Video Compression*
- *GEN IV Analytic Support Including Face Detection, Target Counting, Heat Map, and More!*
- *Available in 4, 8, and 16, 32, 64, and 128 Channels*
- *Up to 192TB Depending on Model (12TB per HDD)*
- *PoE Support Available (Model Dependent)*

An Eye On Innovation

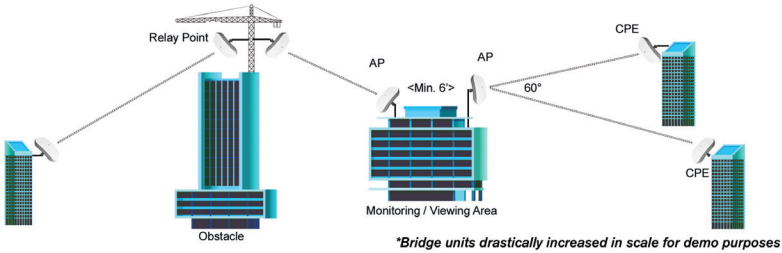
Also Consider Vitek NDAA Compliant Wireless Bridge Products to Reduce Costly Cable Installation!

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



Bridge units drastically increased in scale for demo purposes

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.

VITEK®
INDUSTRIAL VIDEO PRODUCTS, INC.
28492 CONSTELLATION ROAD VALENCIA, CA 91355
WWW.VITEKCCTV.COM

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