



VTD-TND2X4DA-2
Transcendent 4 MegaPixel Dual-
Sensor Dome IP Camera with Fully
Independent Lens Positioning

QUICK START GUIDE



TRANSCENDENT



NETWORK



FACE A.I. DETECT,
COMPARE,
RECOGNIZE



4 MEGAPIXEL



DUAL SENSOR
CAMERA



2-WAY AUDIO



PROGRAMMABLE+
ANALYTICS

FEATURES:

- 1/3" CMOS Dual Image Sensors deliver 4 MegaPixel
- Smart IR LEDs provide up to 100' of night vision in ultra low light
- Up to 30fps @ 4MP (2688 × 1520)
- 2 2.8mm Fixed Lenses w/ ultra-wide 101° horizontal FOV
- Uses two channels to capture enhanced detail and reliability
- Programmable+ Analytics including Face A.I. and Heat Map
- Integrated mic, speaker, and audio I/O for two-way communication*
- MicroSD Card Slot (512GB)
- IP66/IK10 Weather Resistance
- 12VDC + PoE Operation
- 3-Year Warranty

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



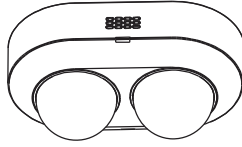
PLEASE NOTE:

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



Warning and Caution

**Please read instructions carefully before using this product and keep it for further reference.
*All the examples and pictures used here are for reference only
The contents of this manual are subject to change without notice



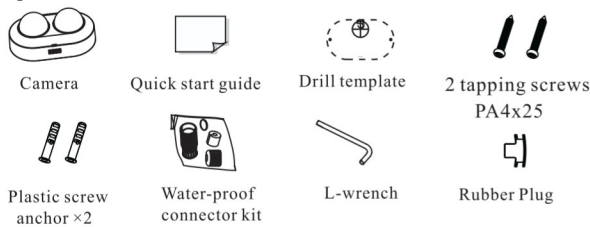
- If this product does not work properly, please contact your dealer or the nearest service center. Never attempt to disassemble the camera yourself. (We shall not be responsible for any issues caused by unauthorized repair or maintenance.)
- Do not allow Water or liquid into the camera.
- When using this product, you must be in strict compliance with the electrical safety regulations of the nation and region. When the product is mounted on wall or ceiling, the device shall be firmly attached.
- Do not use camera beyond specified voltage range.
- Do not drop the camera or subject it to physical shock.
- Do not directly touch the camera lens when installing.
- The product must be grounded to reduce the risk of electric shock.
- You must wear anti static gloves or discharge static electricity before removing the lower dome (bubble.)
- If cleaning is necessary, please use clean cloth to wipe it gently.
- Avoid aiming the camera directly towards the sun or bright objects.
- Do not place the camera in extremely hot, cold (the operating temperature should be -22°F~140°F) dusty or damp locations, and do not expose it to high electromagnetic radiation.
- To avoid head accumulation, good ventilation is required for operating.

Transparent Dome Maintenance

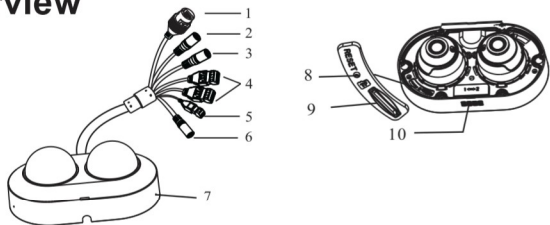
Transparent dome is an optical element. As dirt, dust or fingerprints on the dome will reduce the clarity of the image, please don't touch or wipe the cover surface directly during installation and use. Please refer to the following cleaning tips to clean it.

- * If there is dust on the dome, please use a dry soft brush to gently brush it .
- * If there is water or grease on the dome, please gently wipe off the water drop or grease with a soft cloth and then use oil-free cotton cloth with neutral detergent to wipe it several times from the center outward. Finally, change the cloth to dry it.
- * If there are fingerprints on the dome, please use oil-free cotton cloth or paper soaked with neutral detergent to wipe it several times from the center outward and then dry it with a soft cloth.

Components and Accessories



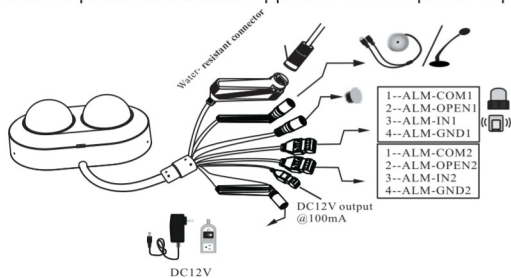
Overview



1 Ethernet Connector	6 Power input (DC IN)
2 Audio Input (MIC)	7 Microphone
3 Audio Output (HP)	8 Reset
4 Alarm Input/Output	9 Miro SD card slot
5 Power output (DC OUT)	10 Speaker

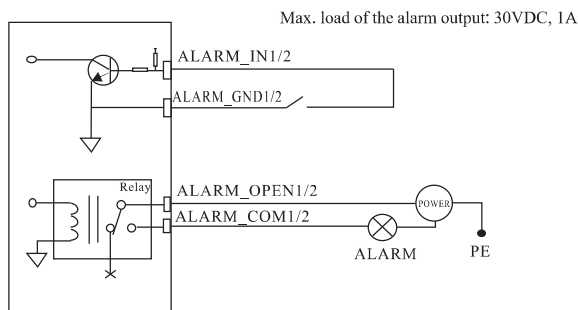
Cable Connections

First connect the weather resistant cap to an ethernet patch cable, then connect the cameras ethernet adapter. If not powering the camera with PoE, also connect the power Cable to an approved 12VDC power supply.



- *It is recommended to install the water-resistant connector for outdoor installation.
- *Press and hold the reset button for more than 10 seconds to restore factory settings

Connecting Alarm Input/Output

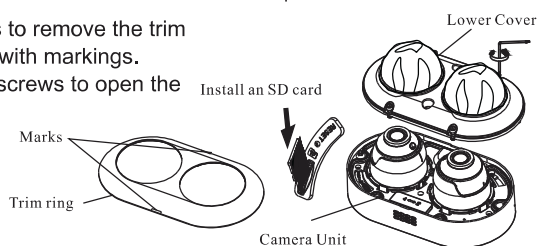


Installation

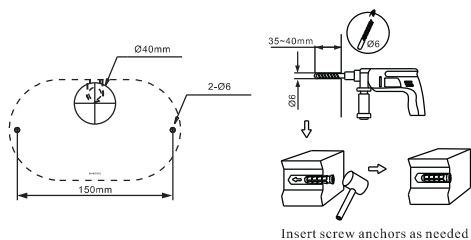
- *Please ensure that the wall or ceiling is strong enough to withstand 3x the weight of the camera
- *Please install the camera in a dry environment
- *Do not remove the protection film until installation is complete

1. Use two fingers to remove the trim ring from the rim with markings.

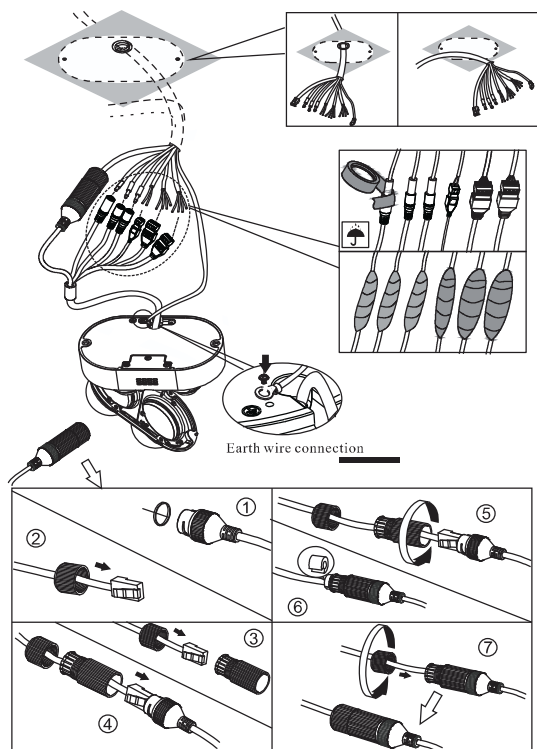
Then loosen the screws to open the lower cover.



2. Place the drill template onto the wall or ceiling where you want to mount the camera and then drill 2 screw holes and 1 cable hole (if you want to route the cables through the ceiling) according to the drill template.

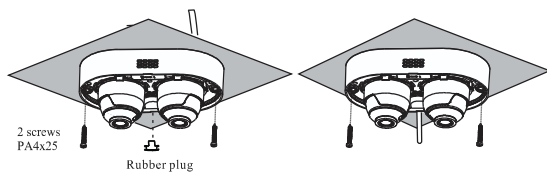


3.Route and connect these cables.

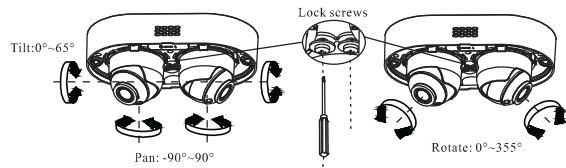


*If the RJ45 connector of the network cable has a jacket and cannot be threaded through the kit, remove the jacket. If the jacket cannot be removed, cut off the connector and install an RJ45 connector without a jacket.

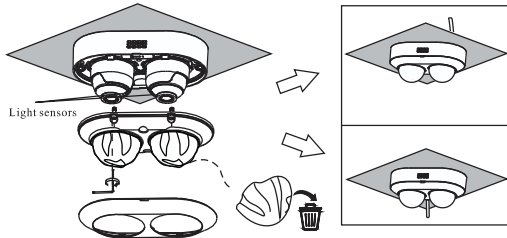
4.Secure the camera to the ceiling or wall with the screws provided.



5. Before three axis-adjustment, preview the image on a monitor. Loosen the lock screws and adjust the viewing angle of the camera. After that, tighten the lock screws.

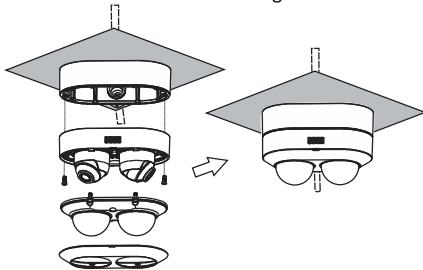


6. Replace the lower cover to the camera unit and make sure the light sensor of each camera can be seen from the outside. If any one of them is hidden, please re-adjust. After that, fasten the lower cover with the screws and put the trim ring onto the camera. Finally, remove the protection film carefully.

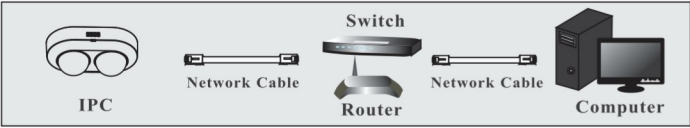


Installation with junction box (VT-TJB208)

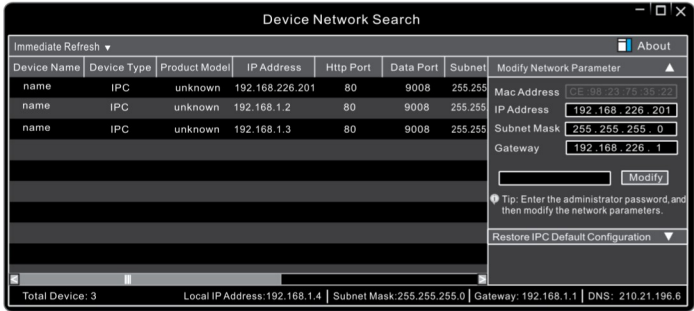
1. Secure the junction box to the wall or ceiling with screws.
2. Remove the trim ring from the camera and then loosen the screws to open the lower cover.
3. Route and connect these cables. Then fasten the camera unit to the junction box with screws.
4. Adjust the viewing angle of the camera.
5. Re-install the lower cover and the trim ring back on the camera.



Network Connection



- 1.Make sure that the camera and the PC are connected to the LAN.
- 2.Locate the IP-Tool installer at www.vitekcctv.com/Downloads/Soft-ware/Transcendent-IPTool_v2.0.2.zip, 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 make sure the camera and the computer are in the same local network.
- 4.Read the privacy statement and then activate the device. The default username is **admin** and password is **123456**. You will be prompted to self-define a new password.
- 5. Follow directions to download and install the plugin if prompted.

Image Sensor	1/3" CMOS x 2
Image Size	2688 x 1520
Electronic Shutter	1/3 s ~ 1/100000 s
Iris Type	Fixed Iris
Min. Illumination	0.005 lux @F1.6, AGC ON; 0 lux with IR
Lens	2.8 mm @F1.6, Horizontal FoV: 101°, vertical FoV: 55°, diagonal FoV: 122°
Focus	Fixed
IR Distance	Up to 100'
Day/Night	ICR (True Day/Night)
WDR	120dB
BLC / HLC	Yes
Defog	Yes
S/N Ratio	≥50dB
Angle Adjustment	Pan: -90° ~ 90°; Tilt: 0° ~ 65°; Rotation: 0° ~ 355°
Video Compression	Main/Third stream: H.265+ / H.265 / H.264+ / H.264; Sub stream: H.265+ / H.265 / H.264+ / H.264 / MJPEG
Resolution Options	4MP (2688 x 1520), 2K (2560 x 1440), 3MP (2304 x 1296), 1080P (1920 x 1080), 720P (1280 x 720), D1, VGA (640 x 480), 640 x 360, CIF, 480 x 240
Main Stream	4MP / 2K / 3MP / 1080P (60Hz: 1 ~ 30fps; 50Hz: 1 ~ 25fps)
Sub Stream	720P / D1 / VGA / 640 x 360 / 480 x 240 / CIF (60Hz: 1 ~ 30fps; 50Hz: 1 ~ 25fps)
Third Stream	D1 / CIF / 480 x 240 (60Hz: 1 ~ 30fps; 50Hz: 1 ~ 25fps)
Bit Rate	64 Kbps ~ 8 Mbps
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
ROI	Each ROI can be configured separately
Audio	2CH built-in MICs; 1CH built-in speaker / 1CH audio input; 1CH audio output;
Audio Compression	G711A / U
Smart Alarm	Motion detection, SMD, SD card error, SD card full, IP address conflict, network disconnection, audio alarm
Digital NR	3D DNR
Face Detection	Face Detection and Capture
H.264 Compression Standard	Baseline Profile / Main Profile / High Profile
Network Protocols	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTMP, RTCP, PPPoE, DDNS, SMTP, FTP, SNMP, HTTP, HTTP POST, 802.1x, UPnP, HTTPS, P2P, QoS
Interface Protocol	ONVIF
Smart Event	Line crossing, region intrusion / entrance / exiting (human / vehicle classification), loitering detection, illegal parking detection, abandoned / missing object detection

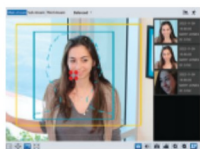
*Please research local, state and federal laws regarding the implementation of audio surveillance.

www.vitekccctv.com



OPTIONAL ACCESSORIES AND ANALYTIC FEATURES FOR VTD-TND2X4DA-2

TRANSCENDENT PROGRAMMABLE+ ANALYTICS!



AI FACIAL RECOGNITION
Face Detection with
Face Database



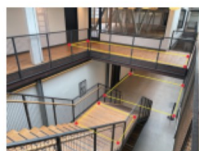
TARGET COUNTING
People, Vehicles, and
Motor/Bicycles



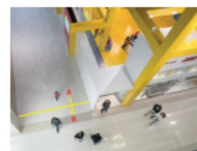
OBJECT TRACKING
Track Objects Removed
or Abandoned in Secure
Areas



AUTO-ZOOM TRACKING
Transcendent GEN IV IP PTZ
Cameras feature the most
advanced A.I Powered PTZ
Auto-Tracking available.

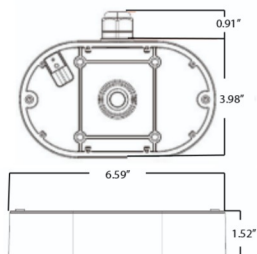


AREA TRACKING
Fully Programmable
Regional Intrusion
Detection



LINE CROSSING
Track People or Vehicles
as Entering or Exiting
Designated Areas

VT-TJB208
Optional Junction Box





**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!***



- ***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 160TB 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



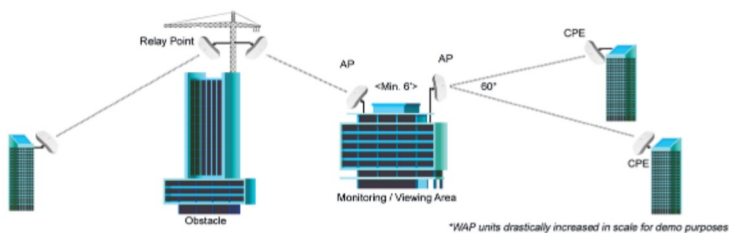
VT-WB1150



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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