



VT-EPH-HDA5

Transcendent 2.0 MegaPixel
Covert Pinhole Camera with
5.0MP Video Encoder Server



2.0 MEGAPIXEL
PINHOLE



5.0 MEGAPIXEL
IP ENCODER



ALARM
INTERFACE



2-WAY AUDIO
IN/OUT



INTELLIGENT
ANALYTICS

FEATURES:

- Pinhole 2.8mm Fixed Iris Lens Camera
- 1/2.8" 2.0 MegaPixel Progressive Scan CMOS Image Sensor
- Up to 30fps @ 2MP (1920 × 1080)
- Included IP Video Encoder Server supports up to 5.0 MegaPixel Cameras!
- H.265+ / H.265 / H.264+ / H.264 / MJPEG encoding
- GEN IV Advanced Analytics: Intrusion Detection, Line Crossing, Target Counting [All by Human / Motor Vehicle Classification], Face Detection, Scene Change, Video Blur, Abnormal Color Detection, Heat Map
- Audio: 1 Channel Input, 1 Channel Output*
- Alarm Interface (8-ch In/4-ch Out)
- MicroSD Card Slot (256GB)
- 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.vitekcctv.com/Downloads>

Components and Accessories



Camera



Quick start guide



M3 screw x1
M2 screw x2



Bracket



Encoder



Screw anchors



PA 4x25 screw



Bracket



Bracket

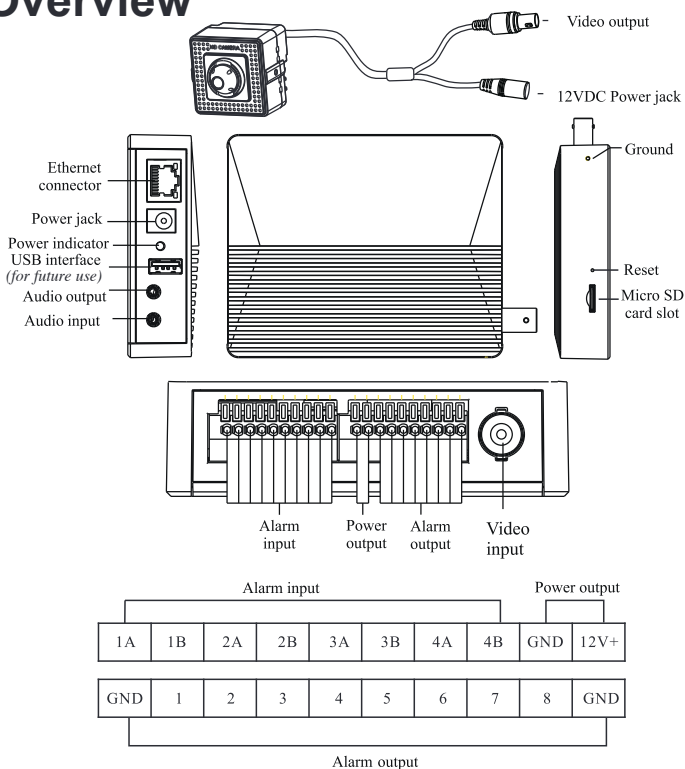


Drill template



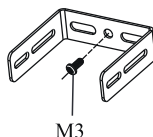
M2.5 screw x 2
M2 screw x 1

Overview

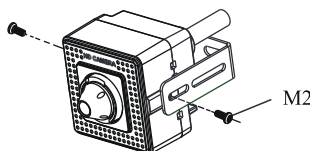


Installation (Camera)

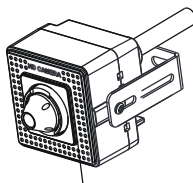
1. Secure bracket to the wall with the screw provided.



2. Route and connect the cables.
3. Fasten the camera to bracket with screws as shown below.
*Adjust the viewing angle of the camera before tightening.

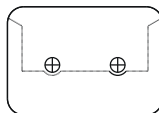


3. Firmly tighten screws to finish installation.

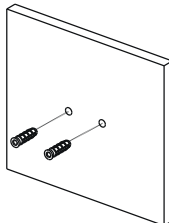


Installation (Encoder Server)

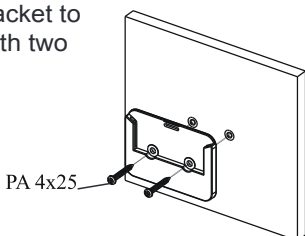
1. Drill screw holes into the wall according to the template.



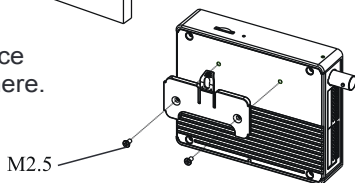
2. Insert two screw anchors.



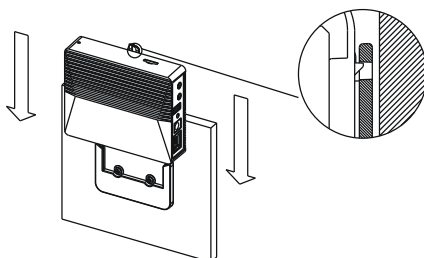
3. Secure bracket to the wall with two screws.



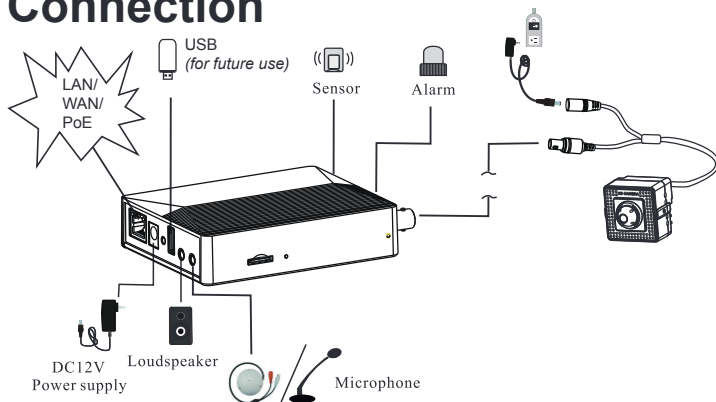
4. Install bracket on the device with two screws as shown here.



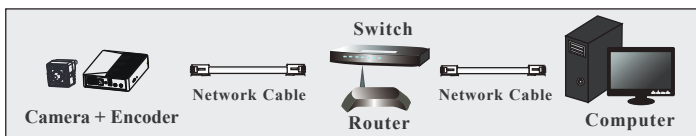
5. Hook the device onto bracket. It will lock when a click is heard.



Connection



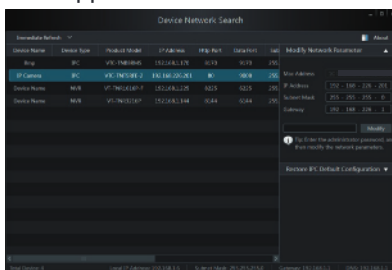
LAN Configuration



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

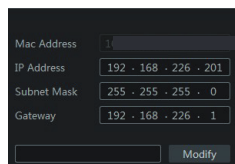
Accessing the Camera Using the IP-Tool

1. Make sure the camera and PC are connected to the LAN.
2. Locate the IP-Tool installer at www.vitekcctv.com/Downloads/Software/Transcendent-IPTool_v2.0.2.zip, then install on the PC. Open the installed application.



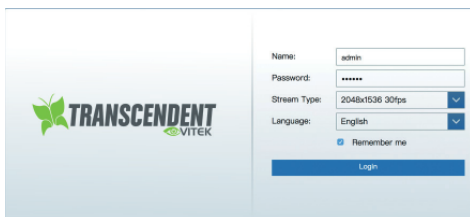
3. Modify the IP address. The default IP address is 192.168.226.201. Click the information of the camera listed in the above table to show the network information on the right side. Modify the IP address and gateway of the camera and make sure its network address is in the same local network segment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

- 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:



The image shows a login window for Transcendent Vitek. On the left is the Transcendent 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 (a dropdown menu showing '2048x1536 30fps'), and Language (a dropdown menu showing 'English'). There is a 'Remember me' checkbox which is checked. At the bottom is a blue 'Login' button.

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

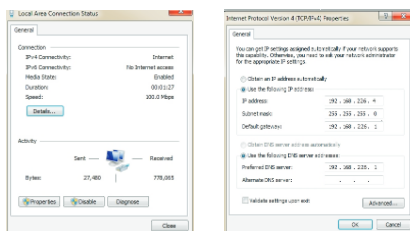
Subnet Mask: 255.255.255.0 Data Port: 9008

Gateway: 192.168.226.1

You may use the above default settings when you log in the camera for the first time.

- 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 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	9008	Both	192.168.6.6	☒	
2	80	81	Both	192.168.6.6	☒	
3	10000	10001	Both	192.168.6.166	☐	
4	21000	21001	Both	192.168.6.156	☐	
5	7777	7778	Both	192.168.6.206	☐	
6	15000	15001	Both	192.168.6.156	☐	

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.

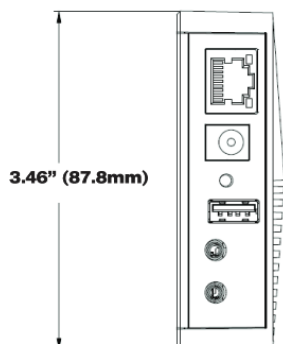
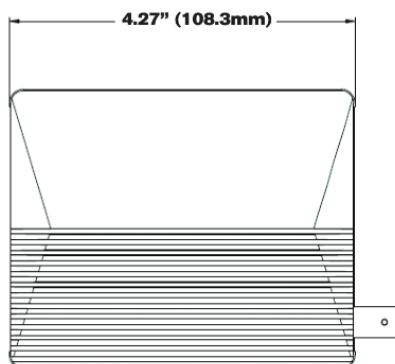
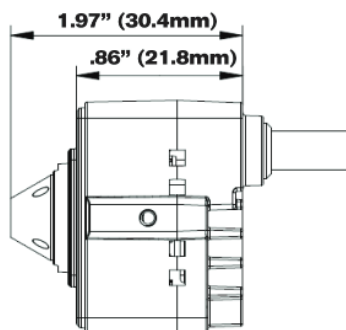
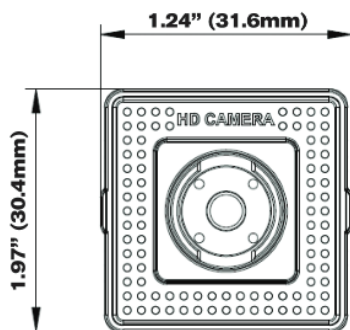
DETAILED SPECIFICATIONS

VT-EPH-HDA5

Image Sensor	1/2.8" Progressive Scan CMOS
Image Size	1920 × 1080
Electronic Shutter	Auto / Manual
Lens	Fixed 2.8mm@F2.2, Horizontal FoV: Approx. 104°, Vertical FoV: Approx. 59°, Diagonal FoV: Approx.117°
Min. Illumination	0.05lux @ F2.2, AGC ON
WDR	120Db (Camera)
Other Features	BLC, HLC, De-Fog
DNR	2D/3D NR
DORI	Detect: 125ft (38m), Observe: 49ft (15m), Recognize: 26ft (8m), Identify 13ft (4m)
Video Compression	H.265+ / H.265 / H.264+ / H.264 / MJPEG
H.264 Compression Std.	Baseline Profile / Main Profile / High Profile
Bit Rate (Type)	64Kbps ~ 6Mbps (VBR/CBR)
Resolution	1080P(1920×1080), 720P(1280×720), D1, CIF, 480×240
Main Stream	60Hz: 1080P/720P/D1 (1~30fps), 50Hz: 1080P/720P/D1 (1~25fps)
Sub Stream	60Hz: 720P/D1/CIF (1~30fps), 50Hz: 720P/D1/CIF (1~25fps)
Third Stream	60Hz: D1/CIF/480×240 (1~30fps), 50Hz: D1/CIF/480×240 (1~25fps)
Image Setting	Saturation, Hue, Brightness, Contrast, WDR, Sharpness, NR, Image Mirror / Flip, Adjustable Through Client or Web Browser
Audio Compression	G711A/U
Network	100M RJ45
Audio	1 CH 3.5mm Audio Input, 1CH 3.5mm Audio Output*
Two-Way Audio	YES
Video	1CH BNC Video Input Connector
Storage	1 MicroSD Card Slot, up to 256G
Alarm	8CH Alarm Input, 4CH Alarm Output
Remote Monitoring	Web browser / Vitek VMS / NVR / Mobile APP
Online Connection	Supports Simultaneous Monitoring of up to 8 Users, Supports Multi-stream Real Time Transmission
Network Protocol	UDP, IPV4/6, DHCP, NTP, RTSP/MP, PPPoE, DDNS, SMTP, FTP, SNMP, 802.1x, UPnP, HTTPS, HTTP POST, Qos
Interface Protocol	ONVIF
Smart Alarm	SD Card Full, SD Card Error, IP Address Conflict, Cable Disconnection, Sensor Alarm, Motion Alarm
Intelligent Analytics	Intrusion Detection, Line Crossing, Target Counting [All by Human / Motor Vehicle Classification], Face Detection, Scene Change, Video Blur, Abnormal Color Detection, Heat Map
General Function	Watermark, IP Address Filtering, Video Mask, Heartbeat, Illegal Login, Corridor Pattern
PoE	Yes, IEEE802.3af
Power	DC12V/PoE
Power Consumption	< 5.5W
Environmental Protection	RoHS 2.0, REACH, WEEE, Directive 94/62/EC
Environmental Conditions	Working: -22° ~ 140°F (-30°~60°C) / < 95% Humidity, Storage: -22° ~ 149°F (-30°~65°C) / < 95% Humidity
Dims Camera D × W × H Server L × W × H	Camera: 1.97" × 1.24 × 1.97" (31.6 × 30.4 × 31.6mm) Server: 4.27" × 3.46 × 1.10" (108.3 × 87.8 × 28mm)
Weight	Camera: 1.8oz (52.4g), Server: 9.57oz (271.4g), TOTAL COMBINED Weight: 11.37oz (322.3g)

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

DIMENSIONS





**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!***



- ***8MP (4K) HDMI Output***
- ***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 8, 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



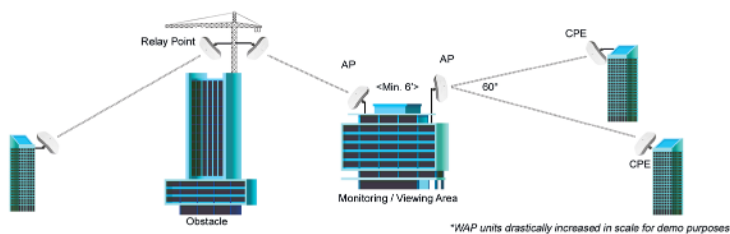
VT-WB1150



VT-WB2150



VT-WB5900



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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