



VTC-PIR4CN-4
VITEK 4 MegaPixel Passive
Infrared (PIR) H.265+ Network
Camera with Discreet Illumination

OPERATION MANUAL



FEATURES

- 1/3" 4.0 Megapixel CMOS Image Sensor Providing a High Definition Image in Low Light Situations
- Up to 25fps @ 4MP (2560 × 1440), 3MP (2304 × 1296), 1080P (1920 × 1080), 720P (1280 × 720), D1, CIF, 480 × 240
- 3.7mm Fixed Iris Lens
- 36pcs IR with up to 33' (10m) IR Range
- Sleek, Compact Design
- Discreet IR Illumination, Nearly Undetectable in Low Light Environments
- 95° Wide Angle - Suitable for Nearly All Indoor Surveillance Monitoring Environments
- True >100dB Wide Dynamic Range
- True Day / Night • XD-DNR (3D & 2D-DNR) Noise Reduction
- Built-in Mic + 1 Ch. Audio Out
- 16ft. Audio Pick-up Range (5m)
- Motion Detection / Region of Interest (up to 8 Configurable Areas) Each Region to be Configured Separately
- Dual Stream, H.265+ / H.265 / H.264+ / H.264 Compression
- MicroSD Card Slot for Local Recording (Up to 256GB)
- Remote Viewing via VMS (Microsoft Edge, Chrome, Firefox, and Safari, and iOS & Android Apps)
- ONVIF Compliant
- No Plug-in Req'd, Direct Set-up / Live View / Playback / Record from Browser
- Built-in Easy Wall Mount Included
- 12VDC & PoE (Power over Ethernet) Operation
- 3-Year Warranty

Further Information, Guides, Software, Tools, and Updates
are available online. Scan the QR Code or visit:
<http://www.vitekctv.com/Downloads>



Contents

Chapter 1 Product Overview	2
1.1 Product Introduction	2
1.2 Function classification	2
1.2.1 Basic functions	3
Chapter 2 Setting	4
2.1 Connecting device	4
2.2 Searching Device IP Address	4
2.3 Exceptional case	5
Chapter 3 Basic functions	6
3.1 Device login	6
3.1.1 Precondition	6
3.1.2 Procedure	6
3.2 Preview operation	7
3.2.1 Preview interface layout	7
3.2.2 Logged-in user name/Logging out and re-signing in with a new user name ..	8
3.2.3 Setting real-time screen encoding	9
3.2.4 Shortcut buttons	9
3.3 Video playback	10
3.3.1 Function buttons	10
3.3.2 Date of video recording	11
3.3.3 Timeline	11
3.3.4 Search video	12
3.4 Basic settings	12
3.4.1 Video settings	12
3.4.2 Image settings	14
3.4.2.1 Display	15

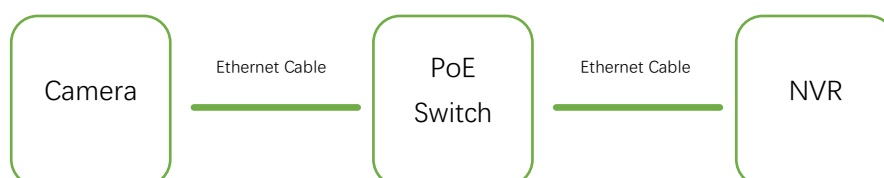
3.4.2.2 LED : Adjusting the lighting mode of the device.....	16
3.4.2.3 OSD : Set the screen display information.	17
3.4.2.4 Privacy Masking	17
3.4.2.5 ROI: Region of Interest	18
3.4.3 Audio Settings	19
3.4.4 Network Settings.....	20
3.4.5 Storage: Set the parameter settings for device storage recording, scheduled recording, and alarm recording.....	24
3.4.6. Time/Date Setting: Displays/set the camera time	28
3.5 Routine maintenance: check equipment software information, software upgrade, routine maintenance equipment, reset equipment.....	30

Chapter 1 Product Overview

1.1 Product Introduction

IPC (IP Camera, Network Camera) Combining traditional cameras and network technology, users can remotely connect to network cameras through the network for configuration and management.

Before accessing a network camera through the network, the first step is to obtain an IP address. Users can use a quick configuration tool to search for the IP address of the network camera.



1.2 Function classification

There are slight differences in the functionality of different models of products, please refer to the actual one.

1.2.1 Basic functions

Real time monitoring

Supports real-time preview of device.

Supports Audio in preview screen.

Supports real-time snapshot of preview screen.

Supports setting encoding parameters and adjusting preview screen.

Video recording

Supports automatic recording according to the recording plan.

Supports video playback from SD card.

Supports video download from SD card

User management

Supports adding, modifying and deleting users, and classifying user rights.

Supports changing user's password

Chapter 2 Setting

2.1 Connecting device

Connect the VTC-PIR4CN-4 and a computer / NVR to the same PoE switch / router, and plug in the power.

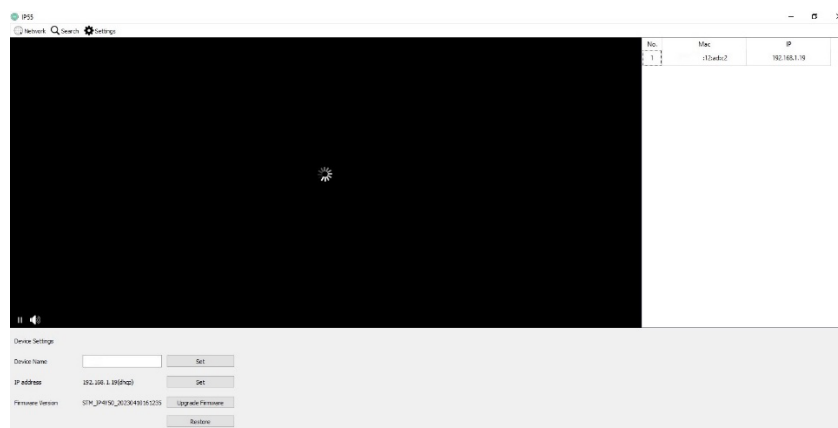
2.2 Searching Device IP Address

Using the IP55 search tool, click Search to get the IP address assigned to the device on the router, which is used when logging in to the web interface.

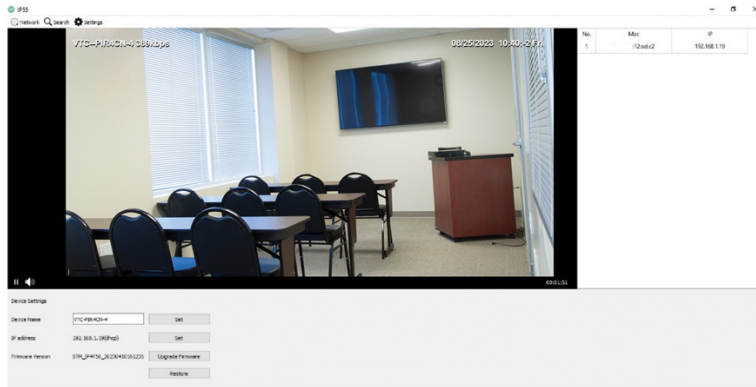
1. Download IP55 Search Toll at [VTC-PIR4CN-4 - VITEK IVP, Inc. \(vitekccctv.com\)](http://VTC-PIR4CN-4 - VITEK IVP, Inc. (vitekccctv.com))



Open IP55 Search Tool by clicking **IP55.exe** the follow screen will appear



IP55 will automatically start searching the network for the PIR camera and display the IP address in the upper righthand corner. To view the image form the camera click on the IP address in the upper righthand corner and the following image will appear:



2. Device Settings

Device Settings

Device Name

IP address 192.168.1.115(static)

Firmware Version STM_IP4Y50_20230410.161235

1. Device Name: input the name you want
2. Click set to save name
3. Click set to change the IP address of the camera, select Static or DHCP and input the IP address, Netmask and Gateway and then click on Set

IP55

IP Mode

IP address

Netmask

Gateway

Dns1

Dns2

4. To upgrade the firmware on the camera click Upgrade Firmware and browse to the upgrade file on your computer and then click open
5. To restore factory default to the camera click Restore

2.3 Exceptional case

If you need to use the device without using a router, you need to change the IP allocation mode of the camera from DHCP mode to Static IP mode in step **2.1** in advance. Note: When

changing to static IP, please note that the same IP address cannot exist in the LAN.

Chapter 3 Basic functions

Introduction to the basic functions of the device, including login, preview, playback, camera attribute settings, network settings, storage management, system settings, etc.

3.1 Device login

Log in to the device's web interface through a browser, using Microsoft® Edge browser as an example in this section.

3.1.1 Precondition

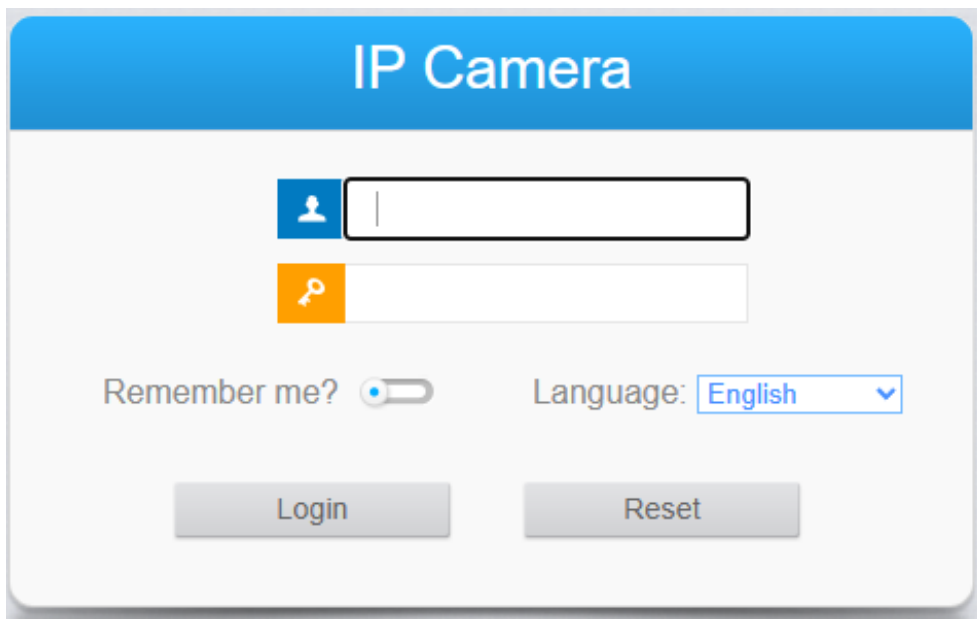
Connect the device to the same network as the computer through the router, and then use the IP55 tool on the computer to search for the IP address of the device.

3.1.2 Procedure

Step 1 Open browser, Enter the device IP address in the address bar, enter the device IP address obtained in the preceding prerequisites, and press Enter.

Step 2 Type in Username & Password

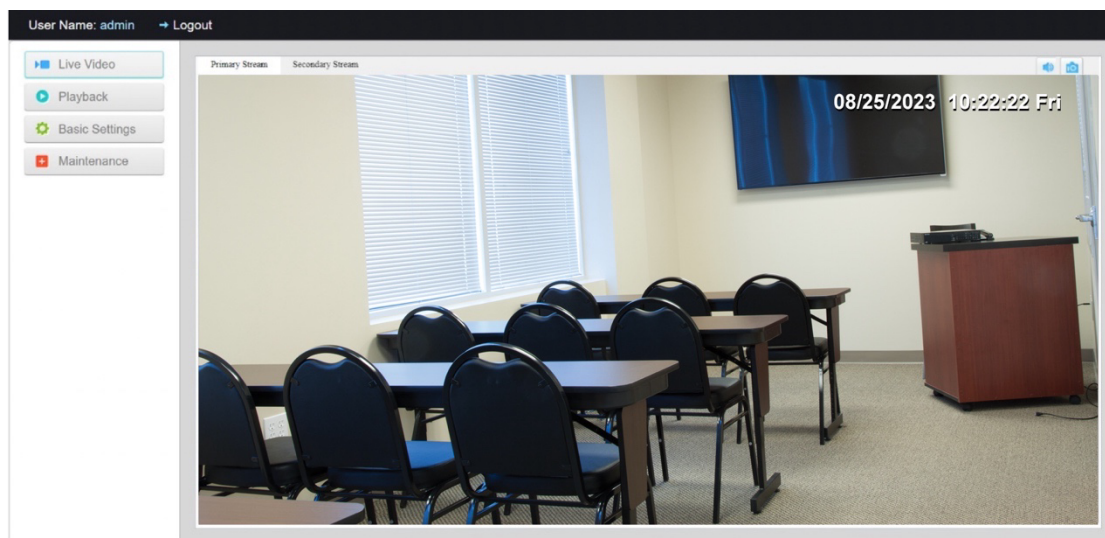
Default Username: admin, password: 123456.



The image shows a login interface for an IP camera. At the top, there is a blue header with the text "IP Camera". Below the header, there are two input fields: the first is preceded by a blue icon of a person, and the second is preceded by an orange icon of a key. Below these fields, there is a "Remember me?" checkbox and a "Language:" dropdown menu currently set to "English". At the bottom, there are two buttons: "Login" and "Reset".

Step 3 Click "Login" .

Preview page is displayed.

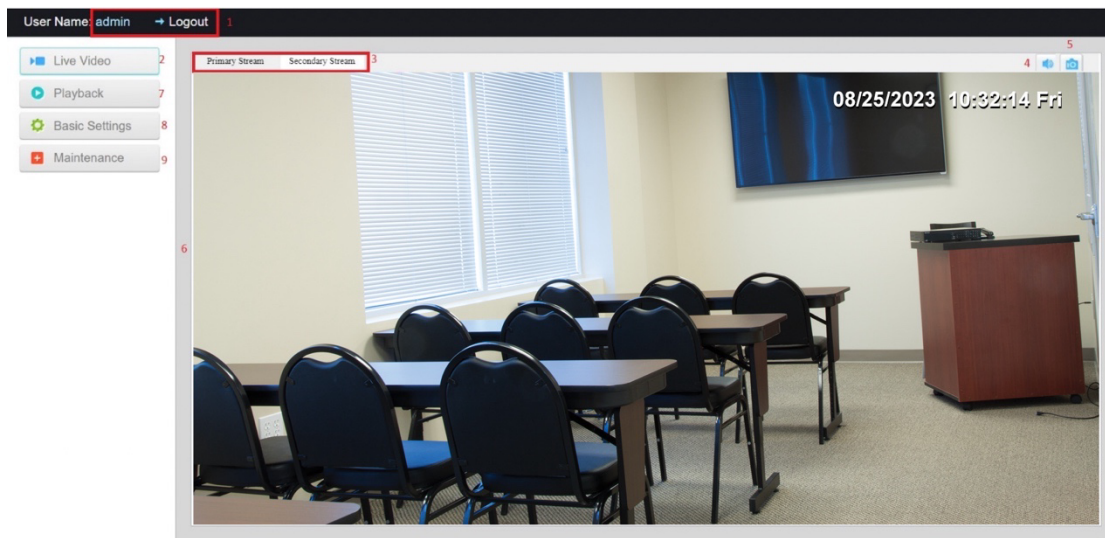


3.2 Preview operation

Introduction to the layout and functional configuration of the preview interface.

3.2.1 Preview interface layout

The preview interface is slightly different for different devices.



1. User name/Exit Displays the logged-in user name for this device.
2. Live video Select the button to view the live screen of the device.
3. Primary/Secondary streams Switches the primary and secondary streams of the live screen.
4. Mute switch Turns on/off the sound of the live screen.
5. Screenshot Save the image button that captures the live screen.
6. Real-time screen Displays the live screen of the device.
7. Video Playback View the device's recordings.
8. Basic settings To modify settings of the device.
9. Update/Maintenance

3.2.2 Logged-in user name/Logging out and re-signing in with a new user name

In the top left corner of the device preview screen, you can view the account information of the current device login, followed by the logout button, click it to logout of the current account and log into the device with a new account again.

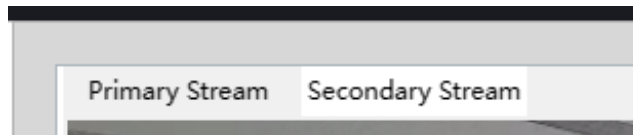
User Name: admin → Logout

3.2.3 Setting real-time screen encoding

Main stream: The encoded stream value is relatively large, the image compression ratio is small, but occupies large bandwidth, suitable for storage and preview.

Secondary stream: The encoded stream value is relatively small compared to the main stream, the image is smoother and takes up less bandwidth.

Click the primary/secondary stream in the picture to switch the stream of the live preview.



3.2.4 Shortcut buttons



Mute button, when clicked, can quickly toggle whether the live audio is muted or not.



Screenshot button, can be clicked to quickly capture the current screen image and download it to your local computer.

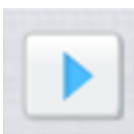
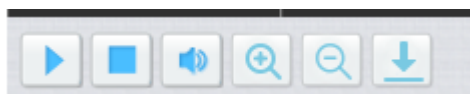
3.3 Video playback

Playback interface, the functions and operations supported by playback, including playback and download of videos.

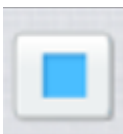


1. Function buttons, including play, stop, sound, time bar zoom in, zoom out, and video download.
2. Video date, select the time (month, year, day) of the video you need to watch.
3. Timeline, showing the point in time when the video was recorded.
4. Find Videos and search for videos for specific needs.

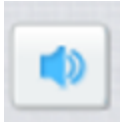
3.3.1 Function buttons



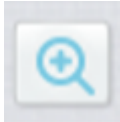
Play: to play the selected video.



Pause: to pause the video being played.



Mute the audio.



Zoom in on the length of each unit of time displayed in the timeline.

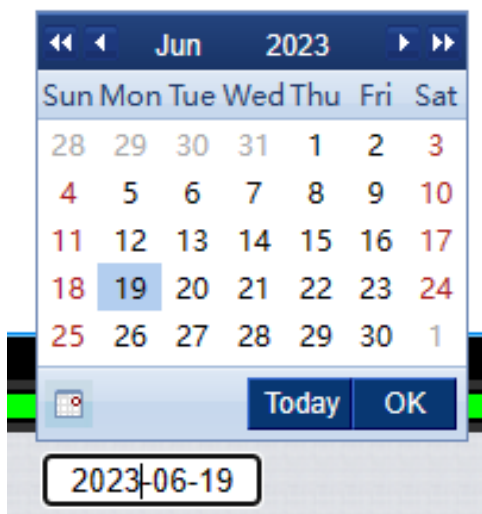


Narrow the timeline to reduce the length of each unit of time.



Download video, download the video being played.

3.3.2 Date of video recording



Click on the date bar, select the time and date you need to view, and click OK to display the video of that day on the timeline.

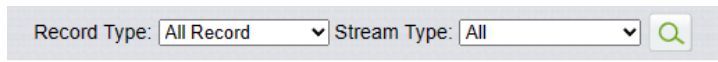
3.3.3 Timeline



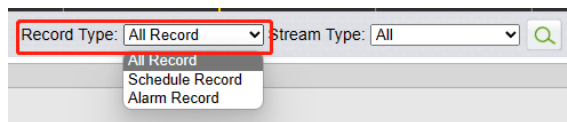
The normal video is displayed in green, and the event video is displayed in red.

The time units of the timeline can be modified in the function buttons by zooming in and out buttons.

3.3.4 Search video

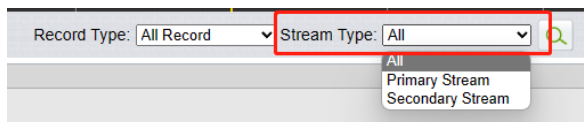


Video types can be searched by all videos, timed videos, and alarm videos.



Click on the drop-down menu in the red box, select the needed recording, and click the search button to display the required recording in the timeline.

The stream type can be searched by primary stream, secondary stream.



Click on the drop-down menu in the red box, select the needed stream, and click on the search button to display the requested video in the timeline.

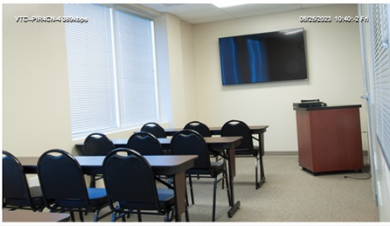
3.4 Basic settings

3.4.1 Video settings

Click on the video sub-option in the basic settings bar to modify the parameters of the primary/secondary stream the primary stream is used as an example.

Primary Stream Secondary Stream

1



2 Video Codec: H265

3 Resolution: 3840*2160

4 Frame Rate: 15 fps

5 Quality: Custom

6 Bit Rate: 3072 kbps

7 Bit Rate Control: VBR

8 Profile: High

9 I-frame Interval: 30 frame(1-200)

10 Reset Default Refresh Save

1. Primary/secondary streams, select the type of stream to modify.

Primary Stream Secondary Stream

2. Video encoding, support H264, H265 mode under the same image quality, occupy less bandwidth than H.264.

Video Codec: H265

3. Resolution of the video picture, the larger the value, the clearer the image, but the more bandwidth it takes up.

Resolution: 3840*2160

4. Frame rate, the number of frames per second. The higher the frame rate, the more realistic and smoother the image.

Frame Rate: 15 fps

5. Picture quality, the better the video picture quality, the better the image is, but it will take up more bandwidth, also supports custom modification..

Quality: Custom

6. Bitrate, modifies the bitrate of the video. The higher the bitrate, the faster the transfer speed, but the file size will increase as well.

Bit Rate: kbps

7. Encoding complexity, modify the encoding complexity of the video..

Profile:

8. I-frame interval, modifies the I-frame interval of the video, the range of the I-frame interval varies with the frame rate, it is recommended to set the I-frame interval to 2 times the frame rate.

I-frame Interval: frame(1-200)

9. Restore default and restore video parameters to initial state.

Video Codec:	H265
Resolution:	3840*2160
Frame Rate:	15 fps
Quality:	Custom
Bit Rate:	3072 kbps
Bit Rate Control:	VBR
Profile:	High
I-frame Interval:	30 frame(1-200)

3.4.2 Image settings

Display

1. Displays, for each parameter of the device image.
2. LED, set the IR/white light related settings of the IPC..
3. OSD, set the parameters of the IPC's OSD.
4. Privacy masking, set the parameters of the privacy masking function of the IPC.
5. ROI, set the ROI function parameter of IPC.

3.4.2.1 Display

User can adjust each parameter of the image according to the actual situation.

Brightness:		118	Contrast:		62
Saturation:		68	Sharpness:		68
BLC:		0	HLC:	Off	
2D NR:		15	3D NR:		30
White Balance:	Auto		White Balance R Gain:		25
White Balance G Gain:		25	White Balance B Gain:		25
Power Frequency:	50Hz		Forced Anti-flicker:	Off	
Horizontal Tailor:		0	Vertical Tailor:		0
Mirror:	Off		Flip:	Off	
Defogging:	Off		Defogging Level:		0
Exposure Type:	Auto		Exposure Time:	1/10	

- 1 . Brightness: The overall brightness of the image, When the value is relatively large, the image tends to be white.
- 2 . Contrast ratio: The ratio of black to white in an image. The larger the value, the more colorful the image will be. When the value is large, the dark areas of the image are too dark and the bright areas are easily overexposed. When the value is small, the image is gray.
- 3 . Saturation: The degree of brightness of an image's color. The larger the value, the brighter the image. Adjusting saturation does not affect the overall brightness of the image.
- 4 . Sharpness: The sharpness of the edges of an image. The larger the value, the clearer the image.
- 5 . BLC: Turning on backlight compensation in a backlight environment can avoid the phenomenon of silhouettes in the darker parts of the subject.
- 6 . HLC: After turning on, the system suppresses the brightness of the highlighted area in the image, reduces the size of the halo area, and reduces the brightness of the entire image.
- 7 . 2D NR: Average the pixels of a single frame image with other surrounding pixels to reduce image noise.
- 8 . 3D NR: Process multiple frames (at least 2 frames) of images and use the inter frame information between the front and back frames of the video to reduce noise in the image. The higher the noise reduction level, the better the noise reduction effect, but the larger the image drag.
- 9 . White balance: The white balance function can correct color deviation in images caused by lighting, making white objects in the image appear white in different color environments.

White balance R, G, B values, manually adjust the parameter values of the image to adjust the device to the optimal state.

10. Power frequency : including 50Hz, 60Hz two modes.

50Hz: When the main power is 50 Hz, the exposure is automatically adjusted according to the scene brightness, while ensuring that the image does not show horizontal stripes.

60Hz: When the main power is 60 Hz, the exposure is automatically adjusted according to the scene brightness, while ensuring that the image does not show horizontal stripes.

11. Forced Anti-flicker: The camera automatically adjusts the exposure time to avoid flickering between light and dark.

12. Horizontal tailor : Pixels to be cropped for horizontal direction setting.

13. Vertical tailor : Vertically set pixels to be cropped.

14. Mirror : Switch for image mirroring.

15. Flip : Switch for image flip.

16. Defogging : When the device is in a fog, haze, or other environment, the image quality will decrease. The clarity of the image can be adjusted through the fog through this function.

17. Exposure type : Make the image clearer by adjusting the exposure time.

Automatic: Automatically adjust display brightness according to the environment.

Manual: Manually set the exposure time to adjust the display brightness of the image.

3.4.2.2 LED : Adjusting the lighting mode of the device

Day/Night Mode:	Auto
Sensitivity:	<input type="range" value="100"/>
Alarm Time Interval:	5 s

1. Day/Night Mode: Set the image to display in black and white, color, or switch between color and black and white depending on the environment.
2. Sensitivity: Set sensitivity for light dark switching.
3. Alarm Time Interval : Set the interval time for triggering an alarm.

3.4.2.3 OSD : Set the screen display information.

Enable OSD:	☒
Color Style:	Black text on white b:▼
Font Size:	Large▼
Overlay Items:	☒ Title ☒ Resolution ☒ Bitrate
	☒ Time ☒ Week
Date Position:	Top-Right▼
Date Format:	yyyy/mm/dd hh:mm:s▼
Title Position:	Top-Right▼
Title Message:	ONVIF_IPCAMERA

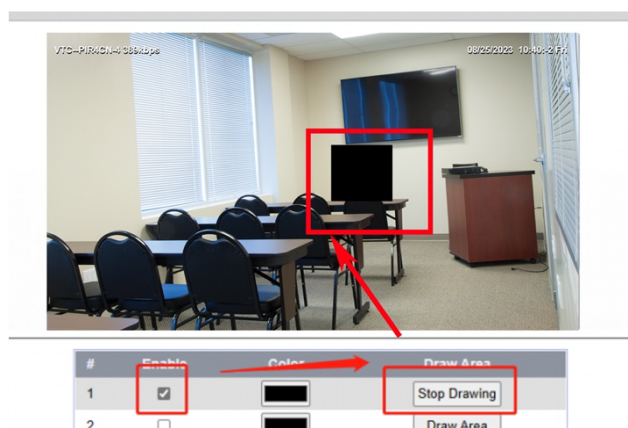
1. Enable OSD: Switch on/off screen display information.
2. Color Style: Select the color style for displayed information.
3. Font size: Select the font size for displayed information.
4. Overlay Items: Switch for various types of information that need to be displayed, including title, resolution, bit rate, time, and week.
5. Date Position: Select the position of the date, which can be in four directions: top left, top right, bottom left, and bottom right.
6. Date Format : Choose the display format for dates.
7. Title Position : Choose the position of the title first, and choose from four directions: top left, top right, bottom left, and bottom right.
8. Title Message : Enter the content to be displayed for the title.

3.4.2.4 Privacy Masking

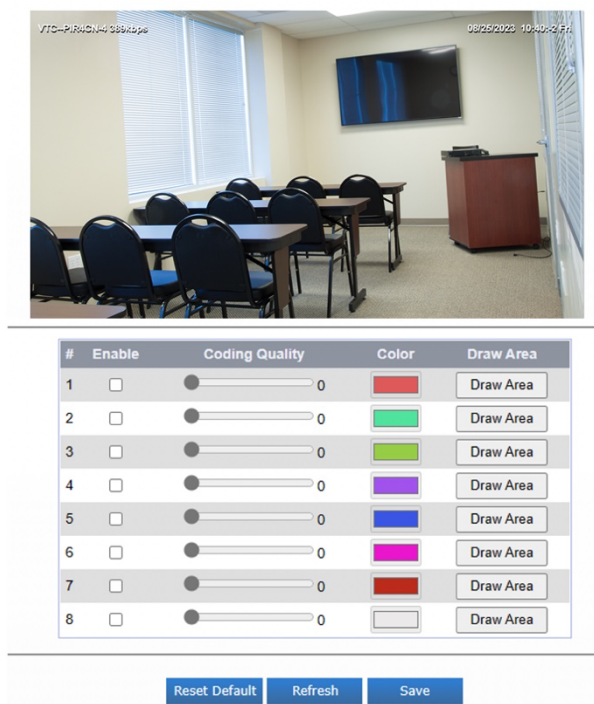


#	Enable	Color	Draw Area
1	☐		Draw Area
2	☐		Draw Area
3	☐		Draw Area
4	☐		Draw Area
5	☐		Draw Area

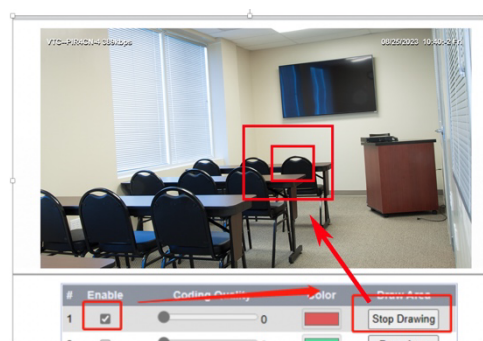
Select to enable Privacy Masking, click on the Draw Area to draw the area that needs to be excluded in the image, as shown in the figure, and then click on save to take effect. You can set up to 5 areas.



3.4.2.5 ROI: Region of Interest



Select Enable ROI, select the desired encoding quality, click on the drawing area to draw the area that needs to be excluded in the image, as shown in the figure, and then click Save to take effect. Up to 8 areas can be set.



3.4.3 Audio Settings

Set the audio input type, volume, etc. of the device. When audio encoding is enabled, the network transmitted bitstream is only an audio video composite stream, otherwise only video images are included.

Enable Audio:	☒
Encoding:	G.711a
Sample Rate:	8KHz
Bit Width:	16bit
Sound Channel:	Single channel
Input Gain:	<input type="range" value="50"/>

1. Enable Audio: Turns on/off the device's audio option, default to on.
2. Encoding, The set audio encoding mode takes effect simultaneously.
3. Sample Rate : Number of samples per second for audio signals.
4. Bit Width : The Quantization accuracy of each sampling point in digital audio signals.
5. Sound channel: the channel in the audio signal transmission.
6. Input Gain : Adjusts the volume of the audio.

3.4.4 Network Settings

<u>TCP/IP</u>	WiFi	Port	FTP	SMTP	P2P
---------------	------	------	-----	------	-----

1. TCP/IP: According to the network plan, set the IP address, DNS (Domain Name System) server and other information of the device to ensure the normal network connection between the device and other devices in the network.

Internet connection status:	Connect Success
Mode:	☒ DHCP ☐ Static IP Address
Mac Address:	1e:31:d1:a6:84:f8
IP Address:	192.168.4.217
IPv4 Subnet Mask:	255.255.255.0
IPv4 Default Route:	192.168.4.1
DNS Server 1:	192.168.4.1
DNS Server 2:	

- 1 . Internet connection status: Display the status of the device's connection to

the internet, with two states: successful/failed connection.

2 . IP Allocation Mode: Two modes: Static IP and DHCP Dynamic Allocation.

Static IP: Manually set the IP address, subnet mask, and route/Gateway. After clicking "OK", the WEB page will automatically jump to the login interface for the newly set IP address.

DHCP Dynamic: DHCP (Dynamic Host Configuration Protocol) When a DHCP server exists in the network, select "DHCP" and the device will automatically obtain dynamic IP addresses without the need to manually set IP addresses and other information.

3 . MAC Address: Display the MAC (Media Access Control) address of the device.

4 . IP Address/IPv4 Subnet mask: Display the IP address currently used by the device.

5 . IPv4 Default Route: The address and route need to be in the same network segment.

6 . DNS Server: IP address of the DNS service.

2. Wi-Fi: By adding a wireless network to connect devices to the network, the device can be wirelessly connected to other devices in the same network.

Off state: Wi-Fi is not enabled.

WiFi Setting

WiFi Mode:

STA mode: Search for Wi-Fi mode, retrieve nearby networks that can be connected and connect.

WiFi Setting

WiFi Mode:

STA

STA Setting

WiFi Name:

WiFi password:

Mode:

☒ DHCP
 ☐ Static IP Address

Mac Address:

fc:6b:f0:52:88:37

IP Address:

IPv4 Subnet Mask:

IPv4 Default Route:

Reset Default

Refresh

Save

SSID

Signal

Scan

Click Scan to search for nearby networks, click on the name of the Wi-Fi you want to connect to, and then enter the password for this Wi-Fi in the WIFI password. Alternatively, you can skip this step and enter the set Wi-Fi account password in the WI-FI name and WI-FI password.

The IP allocation mode is the same as in TCP/IP.

- Port: Record the port number of the modified device, which needs to be rebooted to take effect after modification.

HTTP Port:

80

RTSP Port:

554

H5 Connect Port:

9008

Onvif Port:

9007

Reset Default

Refresh

Save

1.HTTP Port: HTTP (Hyper Text Transfer Protocol) Communication port, which is 80 by default. If it is set to other values, you need to add the modified port number after the IP address when using the browser to log in.

2.RTSP Port: RTSP (Real Time Streaming Protocol) The default RTSP Port number is 554.

3. H5 Connect Port : Web access port, default is 80.

4. Onvif Port : Port for Onvif protocol, default is 9007.

4. FTP: File Transfer Protocol, when an alarm is triggered, real-time images can be sent to a specified network address.

Enable FTP:	☐
Server Address:	
Server Port:	
User Name:	
Password:	
FTP Folder Name:	
Send Interval:	s
Trigger Type:	Motion Detection

[Reset Default](#) [Refresh](#) [Test](#) [Save](#)

- 1 . Enable FTP: Switch on/off the FTP function.
 - 2 . FTP Server: Fill in the network address indicated by the set FTP.
 - 3 . Server Port: Fill in the port set by FTP server.
 - 4 . Username/Password: Account username and password required to log in to FTP.
 - 5 . FTP Folder Name: Set the address for uploading and storing images.
 - 6 . Send Interval: The time interval to trigger sending the image.
 - 7 . Trigger type: The condition to trigger the file transfer, default is motion detection.
5. SMTP: Set email information. After enabling the "send email" function of alarm linkage, when an alarm is triggered, the system sends an alarm email to the designated recipient.

Enable SMTP:	☐
User Name:	
Sender Email Address:	
Password:	
Server Address:	
Server Port:	465
Send Interval:	5 s
Recipient Email Address1:	
Recipient Email Address2:	
Recipient Email Address3:	
Recipient Email Address4:	
Recipient Email Address5:	
Trigger Type:	Motion Detection

Reset Default Refresh Test Save

- 1 . Enable SMTP: Enable Mailbox Pushing.
- 2 . Username: The name of the email to send.
- 3 . Sender: Email address of sender.
- 4 . Password: Email password of sender.
- 5 . SMTP Server: SMTP (Simple Mail Transfer Protocol) Server address.
- 6 . Port: Port of the server.
- 7 . Send interval: Time interval of sending.
- 8 . Recipient address 1/2/3/4/5: Recipient's email address, up to five can be added.
- 9 . Trigger type: Conditions that trigger email push.

3.4.5 Storage: Set the parameter settings for device storage recording, scheduled recording, and alarm recording.

Base Setting Schedule Record Motion Detection SD Card

- 1 . Basic settings: Basic settings for device storage.

Enable Storage:	☒
Allow Overwrite:	Yes
Max Record Time:	5 min

Reset Default Refresh Save

- 1 . Enable storage: Turn on/off the storage function of device.
- 2 . Allow Overwrite: Turn on/off device loop recording.
- 3 . Max Record Time: The max duration of a single recording saved on a memory card.

- 2 . Schedule Recording: Set the schedule recording parameters of the device.

Enable Schedule Record: ☒

Video Stream:

With Audio:

Max Record Time: min

Schedule Settings

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Sun																									
Mon																									
Tue																									
Wed																									
Thu																									
Fri																									
Sat																									

1. Enable Schedule Record : Turn on/off the device schedule record.
 2. Video Source: Video source selection, primary/secondary code stream.
 3. With Audio: Switch for record sound.
 4. Max Record Time: Set the duration of a single recording in memory card.
 5. Schedule Settings: Click Edit to set the time period of the scheduled route.
- After setting, click Save to take effect.

Schedule Settings

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Sun																									
Mon																									
Tue																									
Wed																									
Thu																									
Fri																									
Sat																									

IP8800

Time Schedule

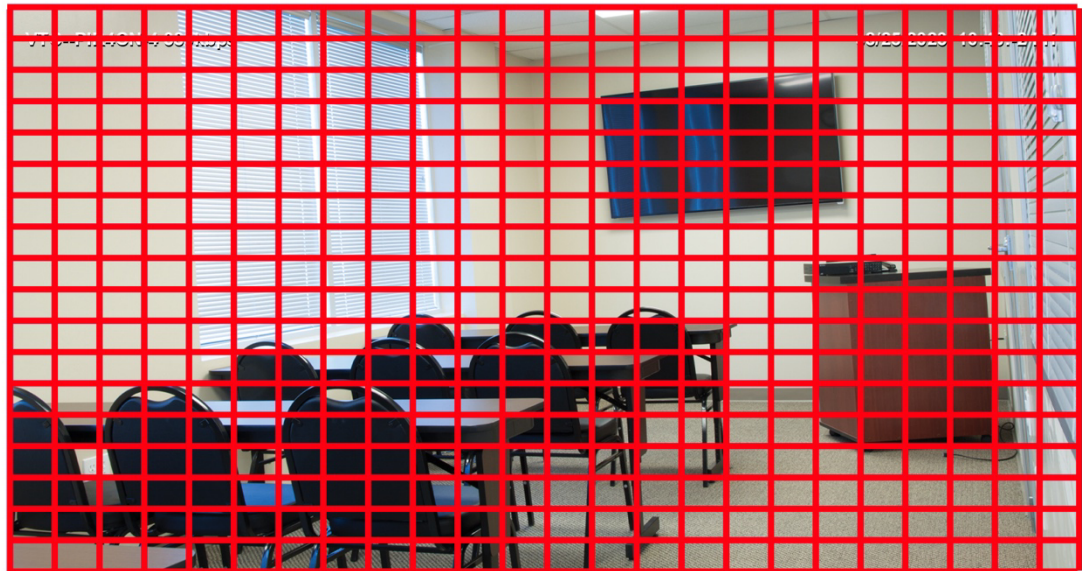
	Period1	Period2	Period3	
Sunday	00:00-24:00	00:00-00:00	00:00-00:00	Copy to Other Days
Monday	00:00-24:00	00:00-00:00	00:00-00:00	Copy to Other Days
Tuesday	00:00-24:00	00:00-00:00	00:00-00:00	Copy to Other Days
Wednesday	00:00-24:00	00:00-00:00	00:00-00:00	Copy to Other Days
Thursday	00:00-24:00	00:00-00:00	00:00-00:00	Copy to Other Days
Friday	00:00-24:00	00:00-00:00	00:00-00:00	Copy to Other Days
Saturday	00:00-24:00	00:00-00:00	00:00-00:00	Copy to Other Days

Save Reset

3 . Motion detection: Open the alarm video function of the device.

Enable:	☒
Video Stream:	Primary Stream
With Audio:	Yes
Pre-record:	5 s
Max Record Time:	60 s
Sensitivity	100
Only Detect Human:	Disable
Block Count:	22x18

1. Enable: Turn on/off the alarm recording of the device.
2. Video Stream: Select the stored video as primary/secondary stream.
3. With Audio: Switch for record sound.
4. Pre-record: When an alarm is generated, the video of the previous period will also be entered into the alarm video.
5. Max Record Time : The video length of a single alarm video.
6. Sensitivity: Adjust the sensitivity of device movement alarm.
7. Only Detect Human: Let the device only detect human shapes and filter out ordinary motion detection signals.
8. Block Count: Set the division unit of the screen.
9. Setting area : Click the mouse on the screen and drag it from left to right to select the image area to be detected, and from right to left to cancel the selected image area. Click OK to save.



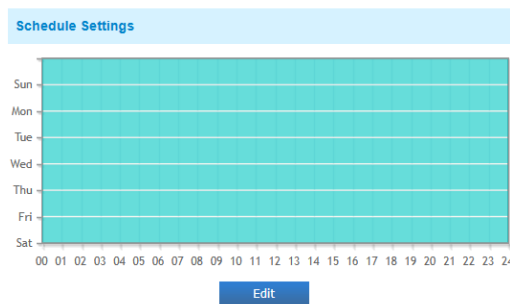
Add motion area : Drag from left to right. Remove motion area: Drag from right to left

Reset Default

Refresh

Save

10. Schedule Settings: Click Edit to set the time period of the scheduled route. After setting, click Save to take effect.



Time Schedule									
	Period1			Period2			Period3		
Sunday	00 ~ 00	00 ~ 24	00 ~ 00	00 ~ 00	00 ~ 00	00 ~ 00	00 ~ 00	00 ~ 00	Copy to Other Days
Monday	00 ~ 00	00 ~ 24	00 ~ 00	00 ~ 00	00 ~ 00	00 ~ 00	00 ~ 00	00 ~ 00	Copy to Other Days
Tuesday	00 ~ 00	00 ~ 24	00 ~ 00	00 ~ 00	00 ~ 00	00 ~ 00	00 ~ 00	00 ~ 00	Copy to Other Days
Wednesday	00 ~ 00	00 ~ 24	00 ~ 00	00 ~ 00	00 ~ 00	00 ~ 00	00 ~ 00	00 ~ 00	Copy to Other Days
Thursday	00 ~ 00	00 ~ 24	00 ~ 00	00 ~ 00	00 ~ 00	00 ~ 00	00 ~ 00	00 ~ 00	Copy to Other Days
Friday	00 ~ 00	00 ~ 24	00 ~ 00	00 ~ 00	00 ~ 00	00 ~ 00	00 ~ 00	00 ~ 00	Copy to Other Days
Saturday	00 ~ 00	00 ~ 24	00 ~ 00	00 ~ 00	00 ~ 00	00 ~ 00	00 ~ 00	00 ~ 00	Copy to Other Days

Save

Reset

4 . SD Card: Manage the storage device.

SD Card:	Unmount Format
Device Status:	Mount
Total Size:	119.03G
Used Size:	118.05G
Free Size:	1000M
Used Percentage:	99.18%

1. SD Card: Before removing the SD card, click Unmount SD card to ensure data security. When inserting a new SD card or removing the video stored in the SD card, click Format to clear the information in the SD card.

2. Device Status : Displays the working status of the SD card, including two statuses: mounted and unmounted.

3. Total Size, Used Size, Free Size, Used Percentage: Display the capacity usage of SD card.

3.4.6. Time/Date Setting: Displays/set the camera time

Current System Time

Date: 2023/8/23

Time: 14:43:29

Set the System Time

Time Zone: GMT-08:00

☐ NTP server
 ☒ Manual

Time: 2023/08/23 14:36:46

Reset Default

Refresh

Save

1. Current System Time: Display the current system date and time of camera.
2. Set the System Time: Set the time zone of the camera and time synchronization settings with the network server.
3. Time Zone: Set the time zone of camera.
4. Synchronization time with SNTP server: interval of time synchronization of device network, server address, and server port.
5. Manual: Manually set the time of the camera after selecting Manual Setting.

Set the System Time

Time Zone: GMT+08:00

☐ NTP server
 ☒ Manual

Time: 2023/06/19 15:44:05

3.4.7 Account Management: Manage system users, add users, delete users, or modify user information.

System users include admin and added users.

1. User management operations, including adding users or user groups, deleting users or user groups, and modifying user information, can only be performed when users have user management permissions.
2. It supports the addition of up to eight users and three types of accounts (administrator, operator and viewer).
3. The default user of the system is admin, which is the highest authority user by default when leaving the factory.

Account Management

User Name:

User Password:

Confirm User Password:

Privilege:

Administrator

(You can only add 8 users)

Reset Default

Refresh

Save

Clear

User Name	Privilege	Description	Edit	Delete
admin	Administrator	Have all the permissions		
test	Viewer	Only watch configurations		

Add user: fill in the new username and password to be set in the user settings, confirm the password again, select the user permission to be created, and click Save to create a new user.

Delete user: in the user list, click the red X icon at the end of the user to be deleted, and click to delete the selected user account information.

Modify user information: in the user list, click the hammer screw icon in the edit column to reset user information in user settings.

3.5 Routine maintenance: check equipment software information, software upgrade, routine maintenance equipment, reset equipment.

Upgrade

Reboot

Factory Reset

Auto Maintain

1, Firmware upgrade: user can view the software information of the device here, and select the required upgrade file in the upgrade firmware to upgrade the software version of the camera.

Uboot Version:	uboot_20220725173925
Kernel Version:	kernel_20220725173925
Software Version:	STM_IP4Y50_20230410161235.up
Web Version:	web_00000000011695.web
Firmware File:	Choose File No file chosen

Upgrade

1, Reboot: reboot the device manually.

Reboot the device:

Reboot

2, Restore: user can choose to save the network configuration or reset the camera without saving the network configuration.

Retain network configuration:

☐

Restore:

Restore

3, Automatic maintenance: user can select a time point by week to automatically reboot the camera.

NOTES

DETAILED SPECIFICATIONS - VTC-PIR4CN-4

VITEK 4 MegaPixel Passive Infrared (PIR) H.265+ Network Camera with Discreet Illumination

Image Sensor	1/3" 4MP
Max. Resolution	2560 (H) × 1440 (V)
ROM / RAM	16MB / 64MB
Electronic Shutter speed	Auto / Manual
Min Illumination	Color: 0.001 Lux @ (F1.2, AGC ON), B/W: 0.0001 Lux @ (F1.2, AGC ON), 0 Lux with IR
S / N Ratio	38dB
IRs / Illumination Distance	36 SMD Type IRs / 33' IR (10m)
Illumination On / Off Control	Auto / Manual
Lens Type / Focal Length	Pinhole / 3.7mm
Field of View	95°
Compression	H.265+ / H.265 / H.264+ / H.264
Video Frame Rate	Main Stream: 2560×1440 @ 25fps / 1080p (1920×1080) @ 25fps / 720p (1280×720) @ 25fps Sub Stream: 720 × 576 @ 25 fps / 352 × 288 @ 25 fps
Stream Capability	2 Streams
Resolution	4MP (2560×1440), 1080p (1920 × 1080), 720p (1280 × 720), D1 (720× 576), CIF (352 × 288)
Bit Rate Control	CBR / VBR
Video Bit Rate	Main Stream: 512 / 1024 / 1536 / 2048 / 3072 / 4096 kbps, Sub Stream: 512 / 1024 kbps
Microphone	Built-in microphone -- Supports 16' pick-up range (5m)
Audio	Supports Audio Out
Day / Night	Auto / Manual
WDR	>100dB
Other Features	BLC, HLC, Smart Illum., Defog, Image Mirror, Image Flip, White Balance + Gain Control (Auto/Manual)
Noise Reduction	3D DNR / 2D DNR
Motion Detection	Yes
Region of Interest (RoI)	Yes (8 Areas)
Privacy Masking	Yes (5 Areas)
Network	RJ-45 (10M/100M Base -T)
Cyber Security	Video / Firmware Encryption, Configuration Encryption, IP / MAC Filtering, 802. 1, Trusted Upgrade
Protocol	IPv4, HTTP, TCP / UDP, RTSP, DHCP
Interoperability	ONVIF (Profile S / Profile T)
Storage	MicroSD Card Support (up to 256GB)
Browser	Microsoft Edge, Chrome, Firefox, Safari
Power Supply	12V DC/PoE (802.3af)
Power Consumption	<5W
Operating Conditions (Storage)	14 ~ 122°F / -10 ~ 50°C / Less than 95% RH (14 ~ 122°F / -10 ~ 60°C / Less than 95% RH)
Dimensions (H × W × D)	3.5" × 2.0" × 1.5" (89 × 51 × 38mm)
Weight: Net (Gross)	.23lb / 3.7oz / 105g (.33lb / 5.29oz / 150g)

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.

VERSION 1.0
August 2023

Vitek IVP, Inc.
28492 Constellation Blvd, Valencia, CA 91355
www.vitekccctv.com
