NEXT

USER GUIDE

NEXT MODULAR SENSOR SYSTEM

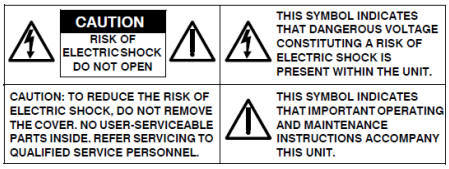
VICON

NOTICES

- This camera operates at PoE (IEEE 802.3at minimum).
- Installation and service should be performed only by qualified and experienced technicians and comply with all local codes and rules to maintain your warranty.
- We are NOT liable for any damage arising either directly or indirectly from inappropriate installation which is not depicted within this documentation.
- To reduce the risk of fire or electric shock during installation, do not expose the product to rain or moisture.
- To remove fingerprints, dust, contaminants, etc., that could occur during installation, wipe the camera with a dry soft cloth. For tough stains, lightly apply a diluted neutral detergent and wipe with a dry soft cloth.
- Do not apply benzene or thinner to the camera, which may cause the surface to melt or lens to fog.
- Avoid aligning the lens with extremely bright objects (e.g., light fixtures) for long periods of time.
- Although this camera is waterproof and suitable for both indoor and outdoor usage, please do not immerse the camera into water.
- Avoid operating or storing the camera in the following locations:
    - Extremely humid, dusty, or hot/cold environments (recommended operating temperature: -40 to 131° F/-40°C to +55°C)
    - Close to sources of powerful radio or TV transmitters
    - Close to fluorescent lamps or objects with reflections
    - Under unstable or flickering light sources

- EN: This product should be supplied by Power-over-Ethernet (PoE).
  The equipment should have on Power over Ethernet (PoE) standards as per IEEE802.3 (42.5-57VDC, 51W),
  Tma is 55 degree C minimum and altitude 5000m.
  If you need further assistance, please contact the manufacturer or brand owner for more information.
- FR: Ce produit doit être alimenté par Power-over-Ethernet (PoE).
- L'équipement doit être conforme aux normes Power over Ethernet (PoE) selon IEEE802.3 (42,5-57 VDC, 51 W), la Tma doit être d'au moins 55 degrés C et l'altitude de 5 000 m.
- EN: The equipment powering the Camera should be connected to a socket-outlet with earthing connection.
- FR: L'équipement alimentant la caméra doit être connecté à une prise de courant avec mise à la terre.

WEEE (Waste Electrical and Electronic Equipment). Correct disposal of this product (applicable in the European Union and other European countries with separate collection systems). This product should be disposed of, at the end of its useful life, as per applicable local laws, regulations, and procedures.



FCC COMPLIANCE STATEMENT

Information to the user: This unit has been tested and found to comply with the limits for a Class A digital device pursuant to Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This unit generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this unit does cause harmful interference to radio or television reception, which can be determined by turning the unit off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the unit and receiver.
- Connect the unit to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the unit.

ATTENTION: Les changements ou modifications non expressément approuvés par la partie responsable de la conformité peuvent annuler le droit de l'utilisateur à utiliser l'appareil.

CE STATEMENT

Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. The manufacturer declares that the unit supplied with this guide is compliant with the essential protection requirements of EMC directive and General Product Safety Directive GPSD conforming to requirements of standards EN55032, EN55035, EN61000-3-2, EN61000-3-3, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, and IEC 61000-4-11 for emission and immunity and UKCA.

This product is IP67 rated for outdoor environments and IK10 rated for impact protection. The camera also meets regulations required to be NDAA, GSA schedule and TAA approved.

IN THIS GUIDE

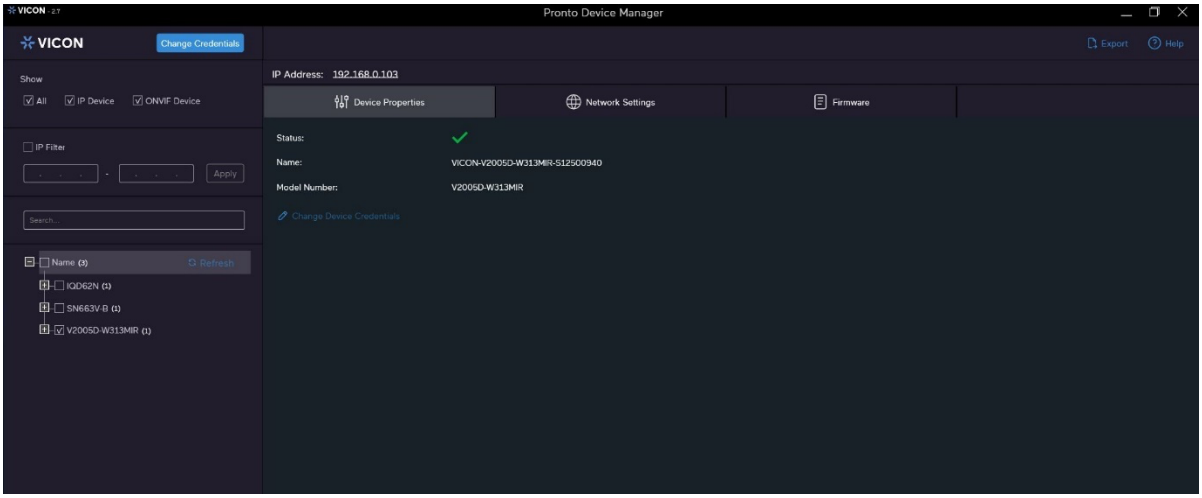
CAMERA CONFIGURATION

Accessing the Camera's Configuration Menu (Graphical User Interface)

The camera can be accessed directly from its web page or by using Vicon's PRONTO Device Manager and Discovery Tool, which can be found on Vicon's website.

Since this is a network-based camera, an IP address must be assigned. By default, the camera is set to obtain an address via DHCP; be sure to enable DHCP in "Network Settings." If DHCP is not available, the camera will use APIPA (link-local address); IPv4 link-local addresses are assigned from address block 169.254.0.0/16 (169.254.0.0 through 169.254.255.255).

PRONTO Device Manager

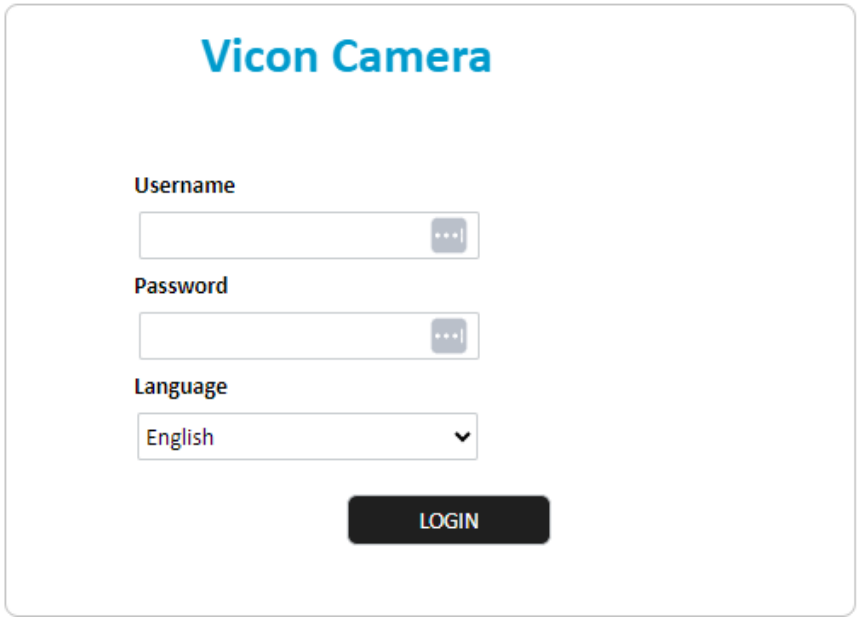


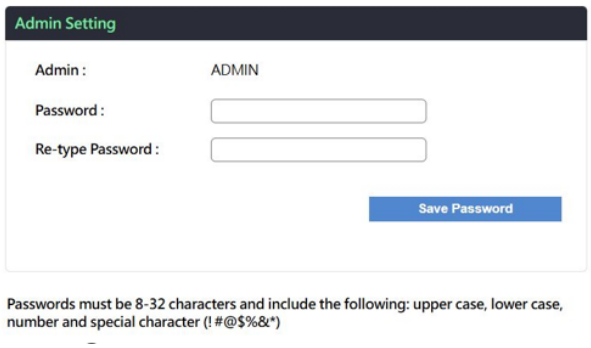
- When you start up the PRONTO Device Manager, the tool's auto-discovery function generates a list of the discovered cameras on the network in a resource list.
- There are a variety of filtering options, including filter by All Devices/IP Device/ONVIF Device, IP range or text.
- There are tabs for Device Properties, Network Settings and Firmware.

The complete User Manual can be found on Vicon's website.

Web Browser

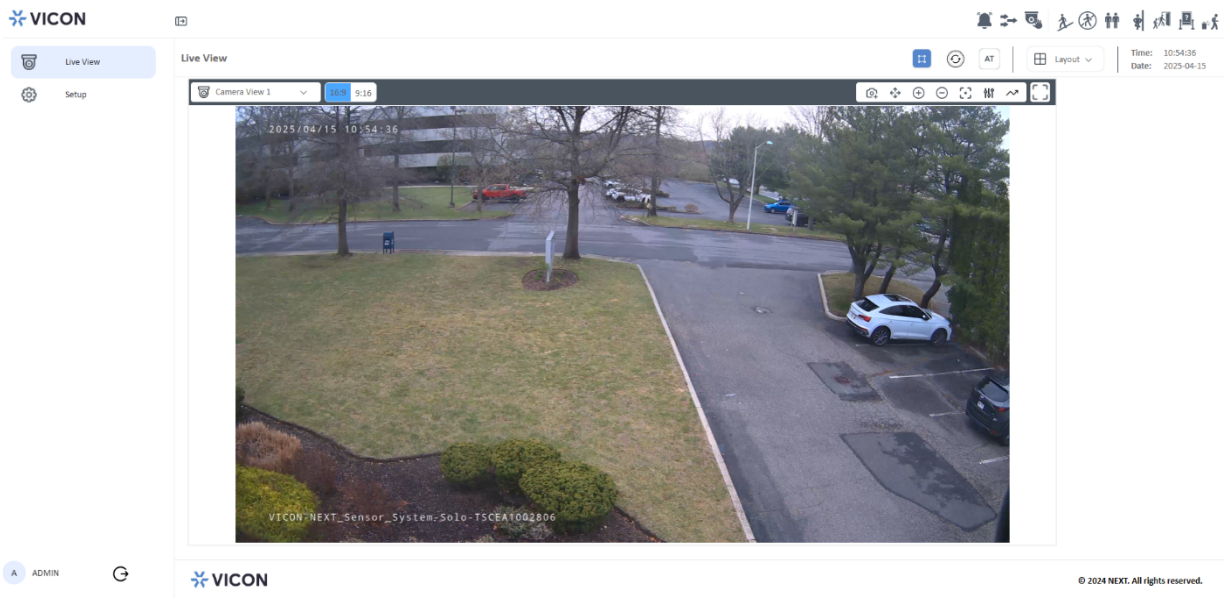
1. Locate and open a web browser.
2. In the address bar, enter the IP address of the camera and press the Enter button.
3. A pop-up window displays asking for login information; type in the username (the default Admin username is ADMIN) and password (customer selected) according to the parameters required, 8-32 characters and include an uppercase and lowercase letter, a number and a special character (!#@$%&*). If this is the first time logging in, re-type password and click Save Password. Select the language of choice. Click Login.





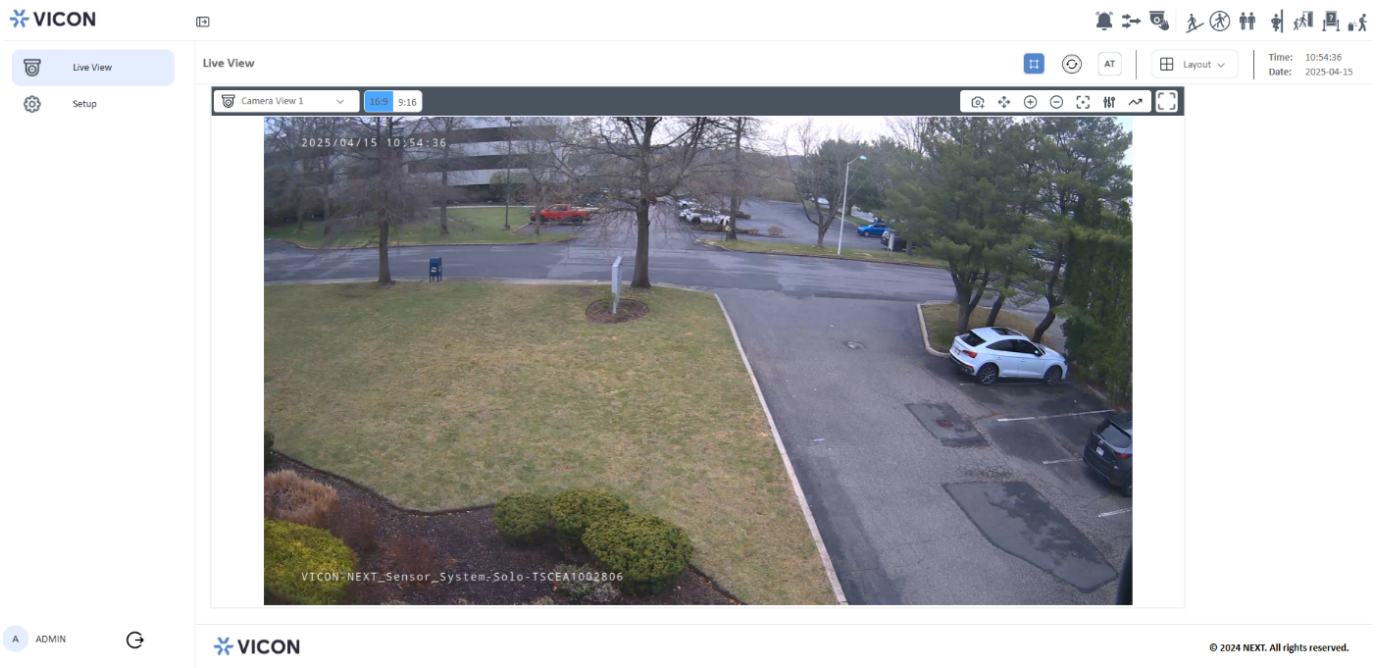
Passwords must be 8-32 characters and include the following: upper case, lower case, number and special character (!#@$%&*)

4. Once logged in, the main screen displays.

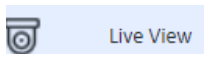
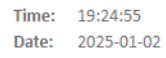
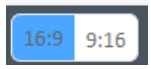


Main Screen Overview

The main screen displays after successfully logging into the camera. The main screen allows users to view the live video from the camera and provides options for positioning and monitoring the camera and status icons.



Explanation of Symbols on the Main Screen

	Click to access live view on main screen.
	Click to access the configuration menus.
	Click to collapse left side.
	Use to view bounding boxes for video analytics.
	Refresh the page.
	Indicates the PoE power detected by the camera.
	Use dropdown to change the layout of video display.
	Time and date stamp.
	Video Analytics: Alarm, Motion, Tampering, Line Crossing, Intrusion Detection, Crowd Detection, Loitering, Tailgating, Remove and Left.
	Select aspect ratio; 9:16 puts camera into corridor mode.
	Select camera view.
	Access Snapshot, PTZR control, zoom in, zoom out, autofocus, preset setup and analytics. See below for details.
	Click to display full screen. To exit full screen mode, press Esc key.
	Logout

Menu Options

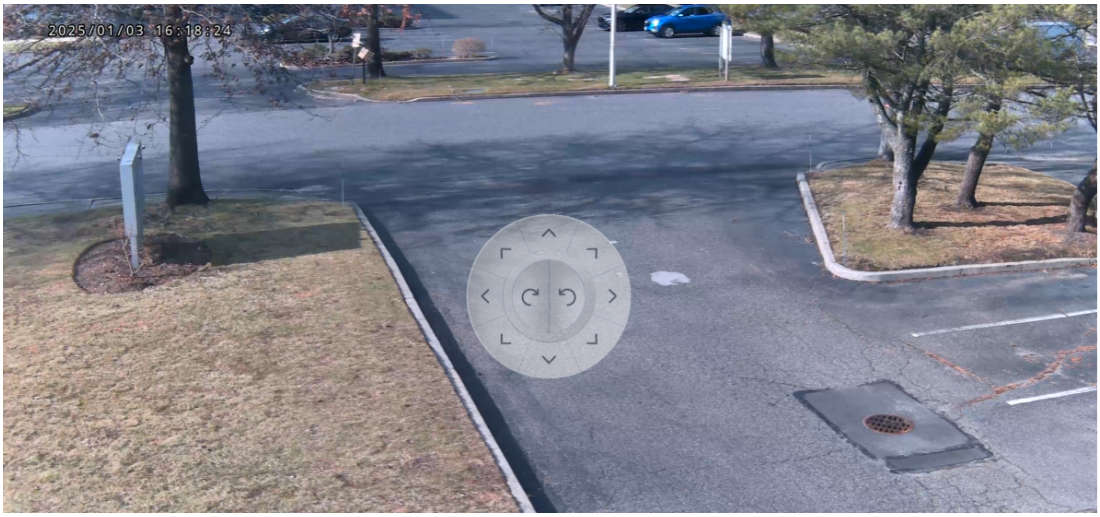
From the menu bar, select snapshot, PTZR control, zoom, autofocus, preset and analytics to control the camera.

Snapshot

Click the icon to take a picture of the current live view and download it.

PTRZ Control

Click the icon to open the PTRZ Control panel. Use the arrowhead symbols to pan and tilt the camera to the desired position. Use the arrows to rotate the image right or left; this can also put the image into corridor mode.



Zoom Control

Click the icons to zoom in (+) and zoom out (-) of the image.

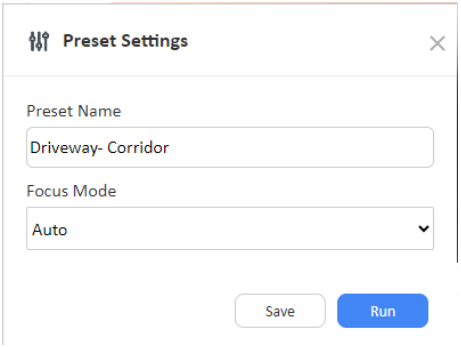
Autofocus Control

Click the icon to automatically focus the camera correctly for the scene.

Preset Control

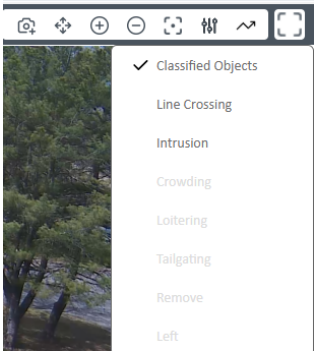
Click the icon to setup or run presets. Clicking the icon displays the currently configured presets. Clicking the preset allows you to review those settings or run the preset.

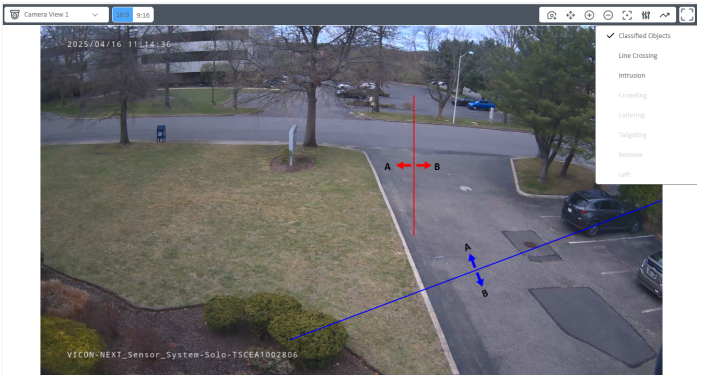
Clicking Preset Settings opens a dialog box to name the preset and set the focus mode. Click to Save settings or Run the preset.



Analytics

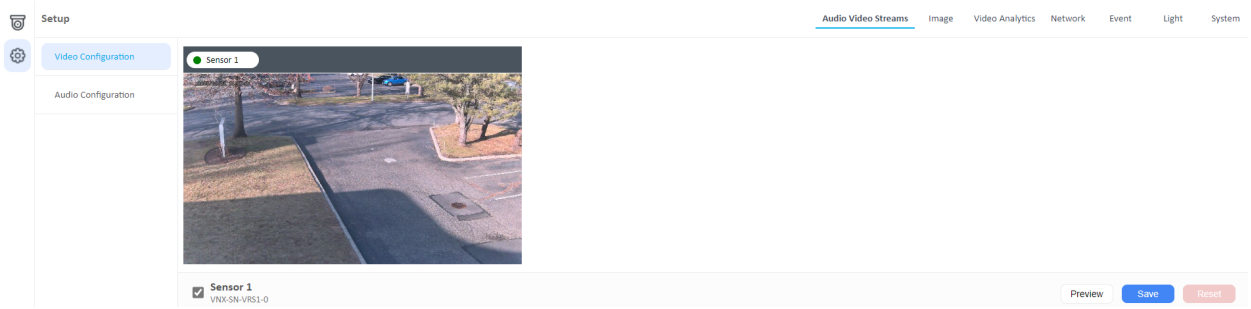
Click the icon to open the dropdown for the analytics. Those analytics that are configured can be clicked; those that are not configured are grayed out. When an analytic is selected, it displays on the Live video. Check Classified Objects to detect people, vehicles or animals anywhere in the scene.





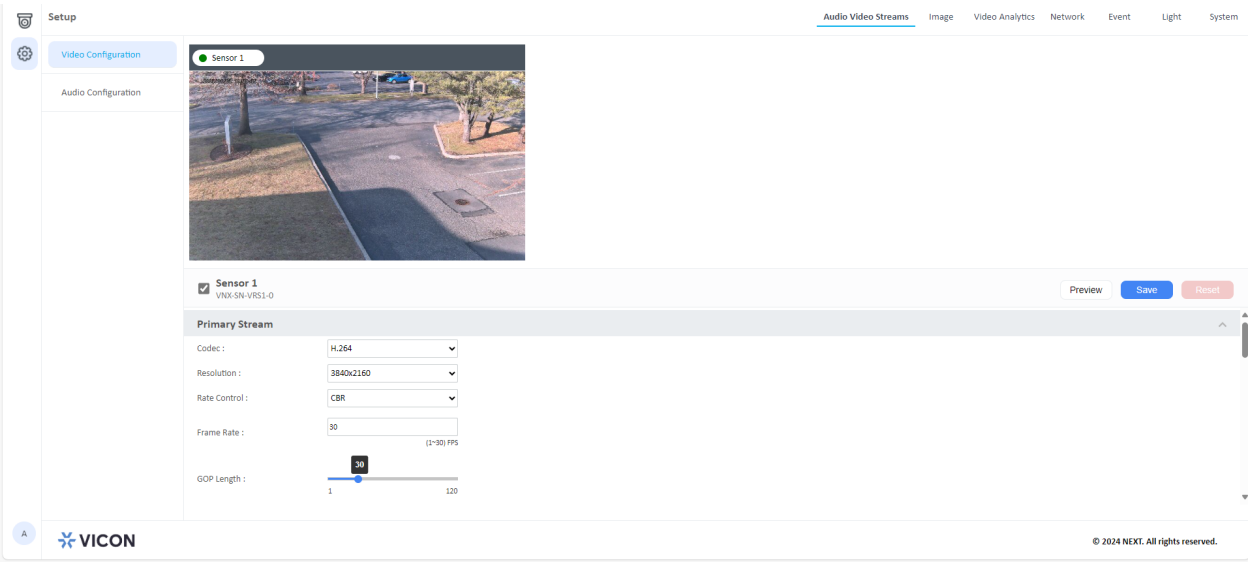
Configuring the Camera's Settings

Click the Setup button (Setup) on the main screen to access the configuration menu. Click on the camera icon ( ) to return to live view.



Browsing Through the Configuration Menu

The layout of the configuration menu is split into two sections. All the main camera settings (Audio Video Streams, Image, Video Analytics, Network, Event, Light and System) are located on the top right of the interface; click on each item to open the corresponding sub-menu(s) below; a list of features displays on the left side of the screen. Click each feature to open its configuration menu.



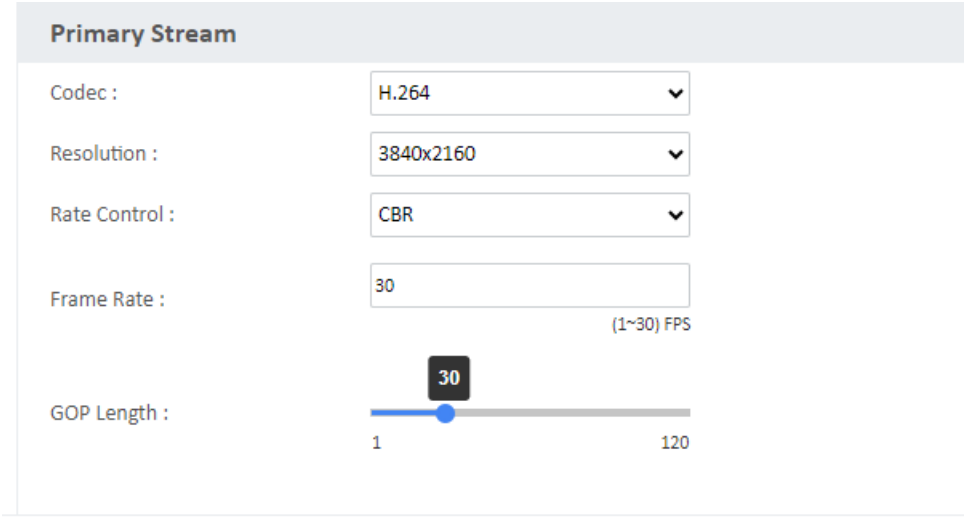
Audio Video Streams - Video Configuration

Select Audio Video Streams at the top of the screen; select Video Configuration from the left column.

Configure the four video streams of the camera.

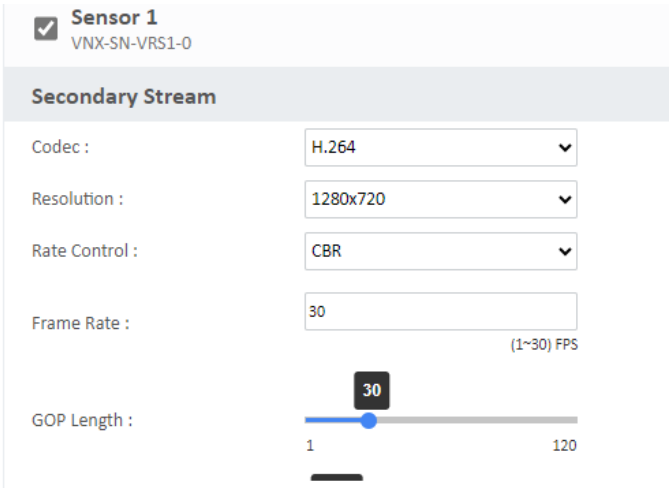
Primary Stream

- Codec: Configure the format of the video stream; the available options are H.254 and H.265.
- Resolution: Configure the resolution of the video stream; the available options are 3840x2160, 3072x1728, 2560x1440, 1920x1080, 1280x720.
- Rate Control: Configure the rate control mode as CBR (constant bit rate; maintains a fixed bit rate for the video regardless of the content) or CVBR (constrained variable bit rate; adjusts the bitrate based on the complexity of the scene).
- Frame Rate: Enter the frame rate of the video stream; the range is 1-30 fps. The stream will be off if 0 is selected.
- GOP Length: Configure the GOP length (group of pictures; the order intra- and inter-frames are arranged); the range is 1-120. Use the slide bar to adjust the value.
- Bit Rate: Configure the bit rate; the range is 2000-12000. Use the slide bar to adjust the value.



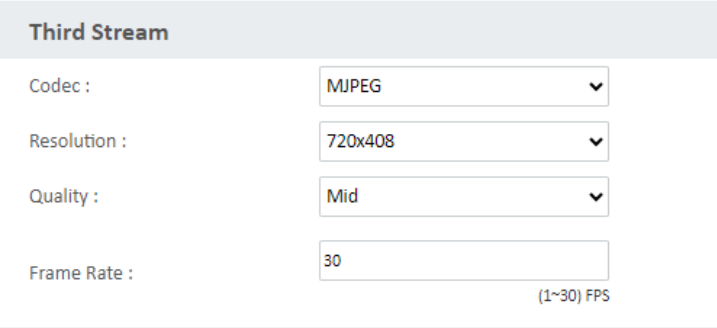
Secondary Stream

- Codec: Configure the format of the video stream; the available options are H.254 and H.265.
- Resolution: Configure the resolution of the video stream; the available options are 1280x720, 720x480, 384x216.
- Rate Control: Configure the rate control mode as CBR (constant bit rate; maintains a fixed bit rate for the video regardless of the content) or CVBR (constrained variable bit rate; adjusts the bitrate based on the complexity of the scene).
- Frame Rate: Enter the frame rate of the video stream; the range is 1-30 fps. The stream will be off if 0 is selected.
- GOP Length: Configure the GOP length (group of pictures; the order intra- and inter-frames are arranged); the range is 2-120. Use the slide bar to adjust the value.
- Bit Rate: Configure the bit rate; the range is 1000-8000. Use the slide bar to adjust the value.



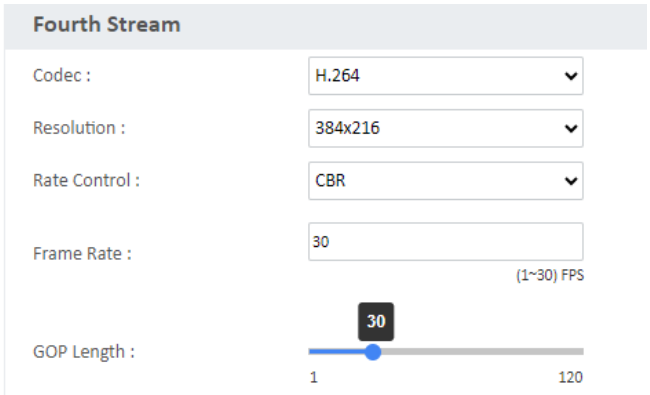
Third Stream

- Codec: Configure the format of the video stream; the available option is MJPEG.
- Resolution: Configure the resolution of the video stream; the available options are 720x480, 384x216.
- Quality: Configure the quality of the video stream; the available options are Low, Mid, High.
- Frame Rate: Enter the frame rate of the video stream; the range is 1-30 fps. The stream will be off if 0 is selected.



Fourth Stream

- Codec: Configure the format of the video stream; the available options are H.254, H.265, MJPEG.
- Resolution: Configure the resolution of the video stream; the available option is 384x216.
- Quality: Configure the quality of the video stream; the available options are Low, Mid, High.
- Frame Rate: Enter the frame rate of the video stream; the range is 1-30 fps. The stream will be off if 0 is selected.



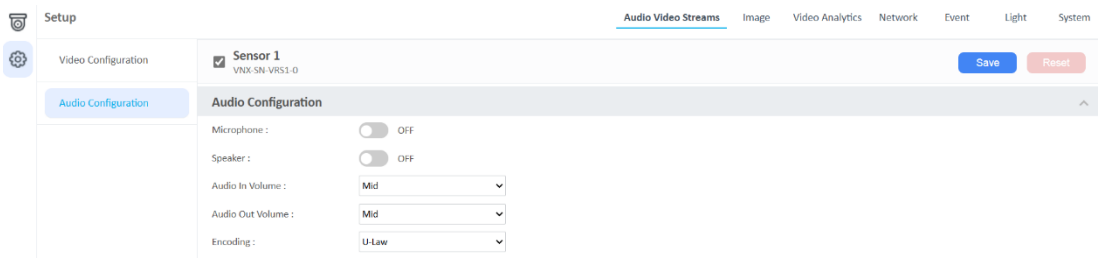
Be sure to Save the settings. To undo any changes, select Reset.

Audio Video Streams – Audio Configuration

Select Audio Video Streams at the top of the screen; select Audio Configuration from the left column.

Configure the audio in (microphone) and audio out (speaker) of the camera.

- Microphone: Enable or disable the microphone in the camera; the available options are ON and OFF. Click the toggle button to change the setting.
- Speaker: Enable or disable the speaker in the camera; the available options are ON and OFF. Click the toggle button to change the setting.
- Audio In Volume: Adjust the audio in volume for the camera; the available options are High, Mid, Low.
- Audio Out Volume: Adjust the audio out volume for the camera; the available options are High, Mid, Low.
- Encoding: Select the encoding method for the camera; the available options are U-Law (used mostly in North America and Japan), A-Law (used mostly in Europe and the rest of the world), opus (a lossy open-source audio format that is standardized by the Internet Engineering Task Force).



Be sure to Save the settings. To undo any changes, select Reset.

Image – Privacy Zone

Select Image at the top of the screen; select Privacy Zone from the left column.

Privacy masks are configured to protect personal privacy by concealing part of an image with a masked area. Up to 8 privacy zones can be configured.

- Color Mode: The mask can be Black, White, Blue, Yellow, Green or Red.
- Mask (1-8): Click to button to toggle each mask area ON or OFF. Once enabled, select Set Area. Use the cursor to create a box over the selected area of the scene to mask. The mask is removed from the scene by selecting the mask and clicking the Del Area button.

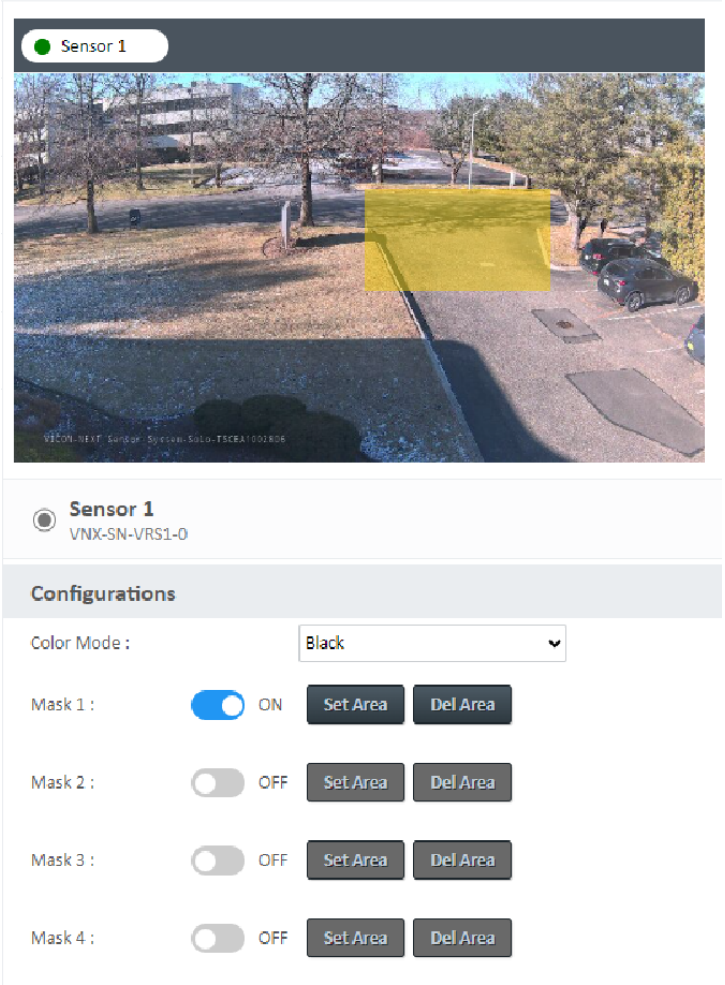
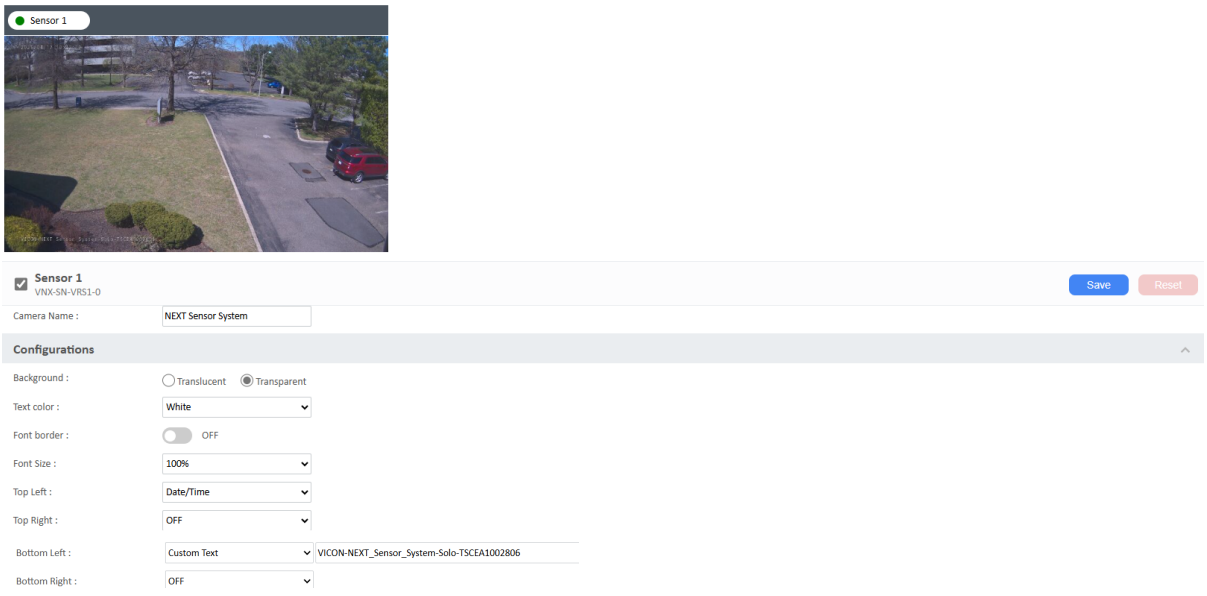


Image – OSD

Select Image at the top of the screen; select OSD from the left column.

Text can be configured to display on the image.

- Camera Name: Specify a name for the device. The maximum length is 32 characters
- Background: Select if the background should be Translucent or Transparent by selecting the radio button.
- Text Color: Select the color of the text; available options are Black, White, Green, Yellow.
- Font Border: Enable or disable a font border; use the button to toggle ON or OFF.
- Font Size: Select the font size from the range of 50% to 150% in 25% increments.
- Top Left: Select what text should display in the top left corner of the display; available options are OFF, Date/Time or Camera Name.
- Top Right: Select what text should display in the top right corner of the display; available options are OFF or Camera Name.
- Bottom Left: Select what text should display in the bottom left corner of the display; available options are OFF, Camera Name or Custom Text.
- Bottom Right: Select what text should display in the bottom right corner of the display; available options are OFF or Camera Name.



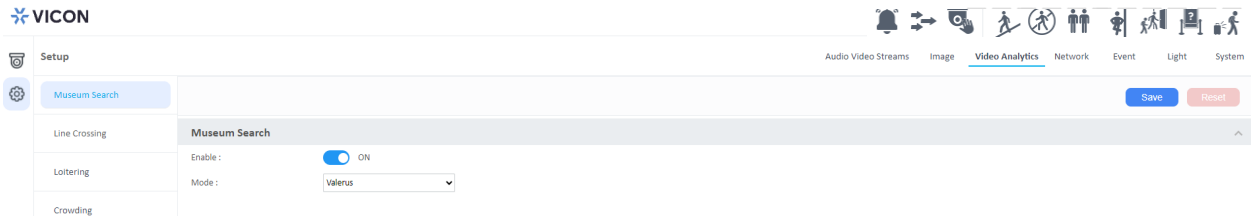
Be sure to Save the settings. To undo any changes, select Reset.

Video Analytics – Museum Search

Select Video Analytics at the top of the screen; select Museum Search from the left column.

Museum Search provides an accurate search for changes in a defined region of interest. This is a special feature in Vicon cameras equipped with a unique algorithm to allow the search.

- Enable: Click the button to enable the museum search feature; toggle ON or OFF.
- Mode: Select the mode for museum search, Valerus or ViconNet.



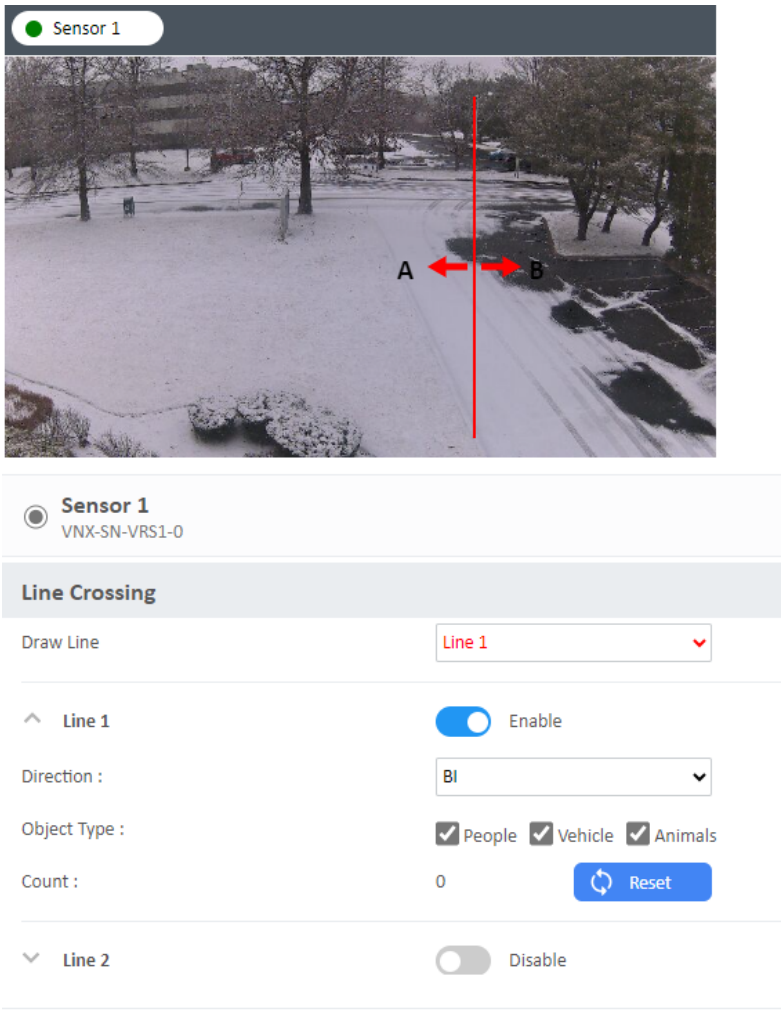
Be sure to Save the settings. To undo any changes, select Reset.

Video Analytics – Line Crossing

Select Video Analytics at the top of the screen; select Line Crossing from the left column.

Line crossing is designed to establish borders to outline certain zones within the camera coverage. Up to 3 lines can be configured; the first line is red, the second blue and the third is green.

- Enable: Click the button to enable the line cross feature; toggle Enable or Disable.
- Draw Line: Select Line 1, 2 or 3. Click on the video display and a line displays. Move the line to the desired area. It will note an A and B.
- Direction: Select the direction the object has to cross the line to trigger an alarm, A to B, B to A or Both directions (BI).
- Object Type: Select the object type(s), People, Vehicle, Animals.
- Count: This field displays the line counting, the number of times the line has been crossed based on the parameters set. For example, if only Vehicles is selected, and a person crosses the line, that person will not be counted. The count can be reset by pressing the Reset button.



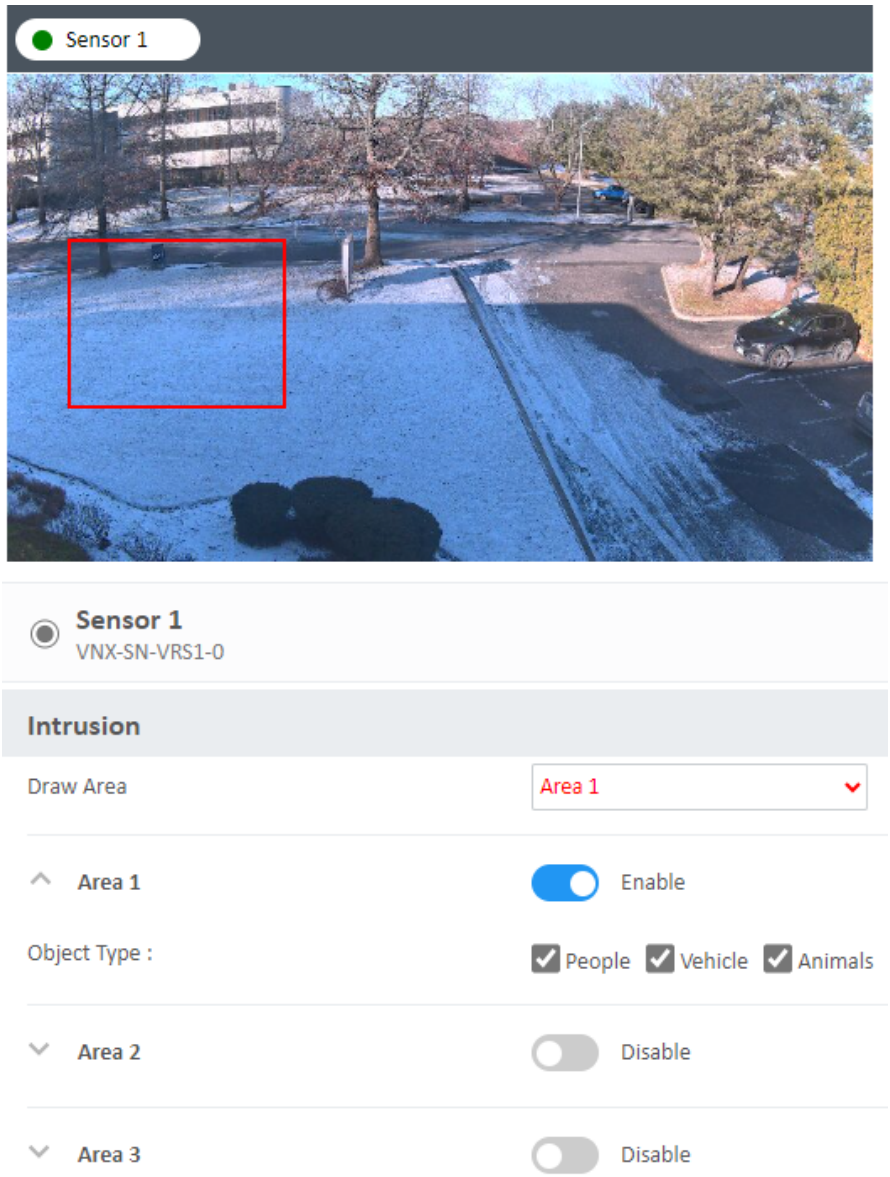
Be sure to Save the settings. To undo any changes, select Reset. After saving, when an event occurs, it will be highlighted on the live view screen and bounding boxes will display on live and playback video.

Video Analytics – Intrusion

Select Video Analytics at the top of the screen; select Intrusion from the left column.

Intrusion can define an area to watch for any suspicious or unauthorized person/object that enters the specified area. This way a critical area(s) can be monitored for any trespassing. Up to 3 areas can be defined; the first area is red, the second blue and the third is green.

- Enable: Click the button to enable the intrusion feature for each area; toggle Enable or Disable.
- Draw Area: Select Area 1, 2 or 3. Click on the video display; a box displays. Additionally, use the cursor to draw the area at the desired location.
- Object Type: Select the object type(s), People, Vehicle, Animals.



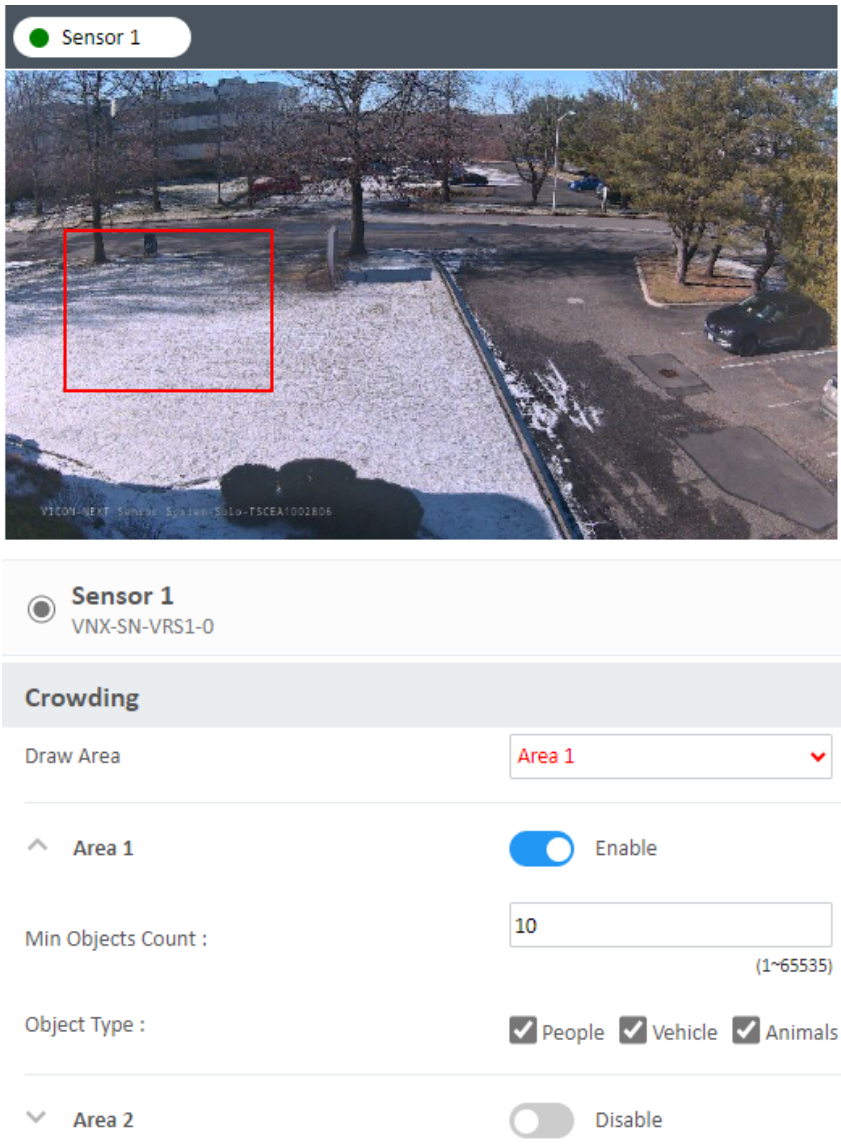
Be sure to Save the settings. To undo any changes, select Reset. After saving, when an event occurs, it will be highlighted on the live view screen and bounding boxes will display on live and playback video.

Video Analytics – Crowding

Select Video Analytics at the top of the screen; select Crowding from the left column.

Crowding is designed to keep track of the number of people/objects in a designated area. Up to 3 areas can be defined; the first area is red, the second blue and the third is green.

- Enable: Click the button to enable the crowding feature for each area; toggle Enable or Disable.
- Draw Area: Select Area 1, 2 or 3. Click on the video display; a box displays. Additionally, use the cursor to draw the area at the desired location.
- Minimum Object Count: Enter the number of objects to define how many objects are to be considered a crowd (1-65535).
- Object Type: Select the object type(s), People, Vehicle, Animals.



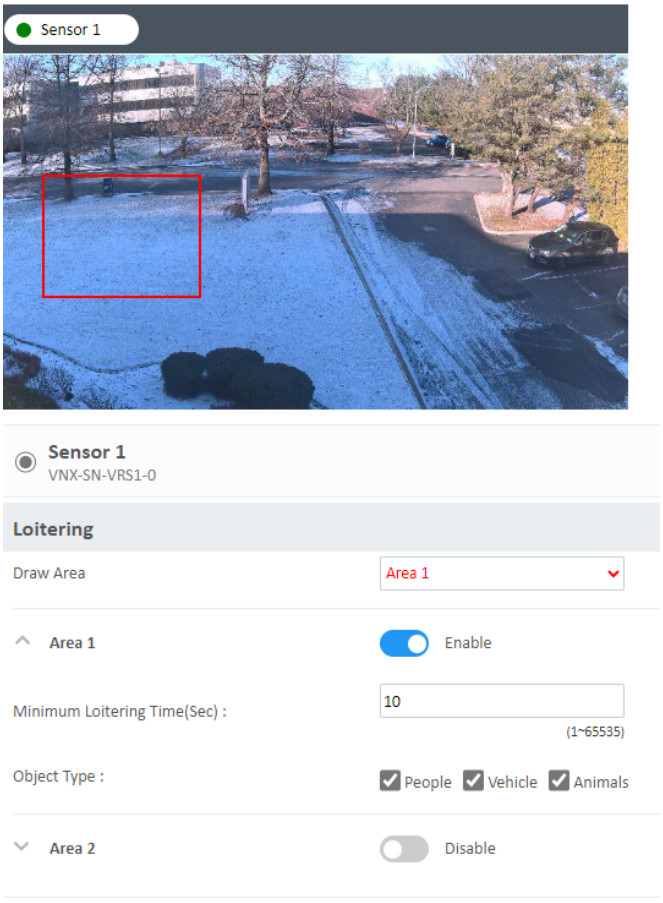
Be sure to Save the settings. To undo any changes, select Reset. After saving, when an event occurs, it will be highlighted on the live view screen and bounding boxes will display on live and playback video.

Video Analytics – Loitering

Select Video Analytics at the top of the screen; select Loitering from the left column.

Loitering is designed to watch for suspect people/objects that enter and linger within a defined area for a defined period of time. Up to 3 areas can be defined; the first area is red, the second blue and the third is green.

- Enable: Click the button to enable the loitering feature for each area; toggle Enable or Disable.
- Draw Area: Select Area 1, 2 or 3. Click on the video display; a box displays. Additionally, use the cursor to draw the area at the desired location.
- Minimum Loitering Time: Enter the amount of time (seconds) that is required for the object to be considered loitering (1-65535).
- Object Type: Select the object type(s), People, Vehicle, Animals.



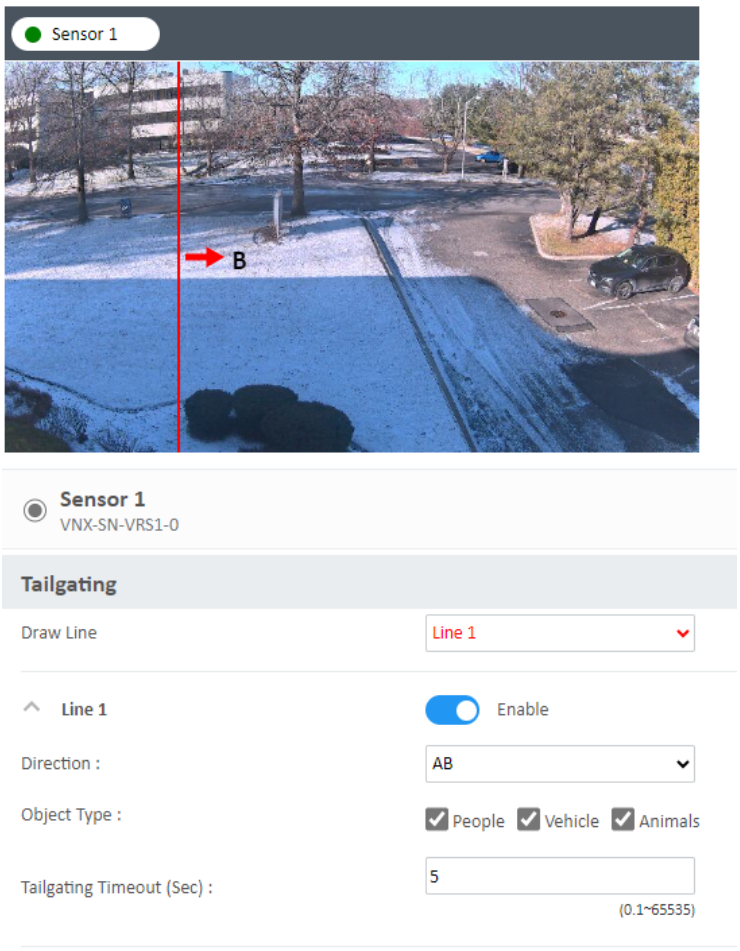
Be sure to Save the settings. To undo any changes, select Reset. After saving, when an event occurs, it will be highlighted on the live view screen and bounding boxes will display on live and playback video.

Video Analytics – Tailgating

Select Video Analytics at the top of the screen; select Tailgating from the left column.

Tailgating is designed to control access to a sensitive area and detect if more than one person/vehicle enters an area too close to the previous entry. Up to 3 lines can be created; the first line is red, the second blue and the third is green.

- Enable: Click the button to enable the tailgating feature for each line; toggle Enable or Disable.
- Draw Line: Select Line 1, 2 or 3. Click on the video display and the line displays. Move the line to the desired area. It will note an A and B.
- Direction: Select the direction the object has to cross the line to trigger an alarm, A to B, B to A or Both directions (BI).
- Object Type: Select the object type(s), People, Vehicle, Animals.
- Tailgating Timeout (Sec): Define how much time (seconds) has to pass before another object can pass the line (1-65535).



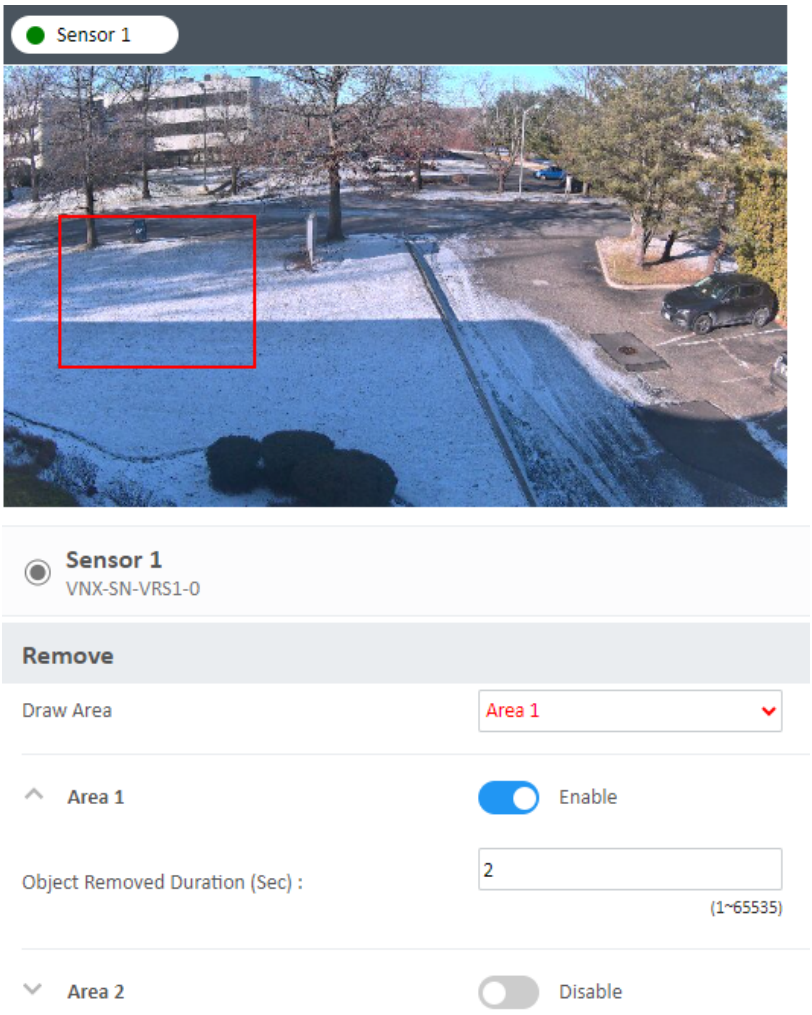
Be sure to Save the settings. To undo any changes, select Reset. After saving, when an event occurs, it will be highlighted on the live view screen and bounding boxes will display on live and playback video.

Video Analytics – Remove

Select Video Analytics at the top of the screen; select Remove from the left column.

Remove detection was developed to guarantee that valuable or important objects are safeguarded in their location. Up to 3 areas can be created; the first line is red, the second blue and the third is green.

- Enable: Click the button to enable the remove feature for each area; toggle Enable or Disable.
- Draw Area: Select Area 1, 2 or 3. Click on the video display; a box displays. Additionally, use the cursor to draw the area at the desired location.
- Object Removed Duration (Sec): Enter a number to define how long a time (seconds) has to pass before the object is considered removed (1-65535).



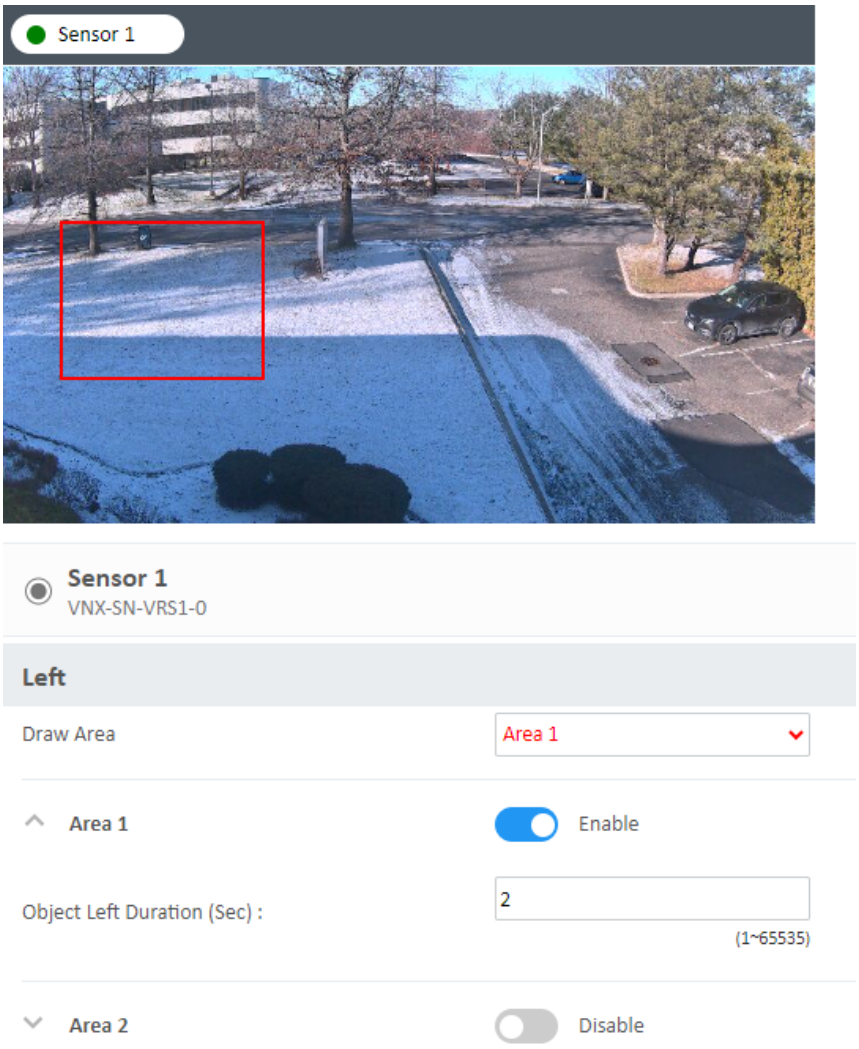
Be sure to Save the settings. To undo any changes, select Reset. After saving, when an event occurs, it will be highlighted on the live view screen and bounding boxes will display on live and playback video.

Video Analytics – Left

Select Video Analytics at the top of the screen; select Left from the left column.

Left detection is designed to prevent an object from being intentionally deposited in a critical place. If an object is left in a defined area, it can quickly be determined if it is suspicious. Up to 3 areas can be created; the first line is red, the second blue and the third is green.

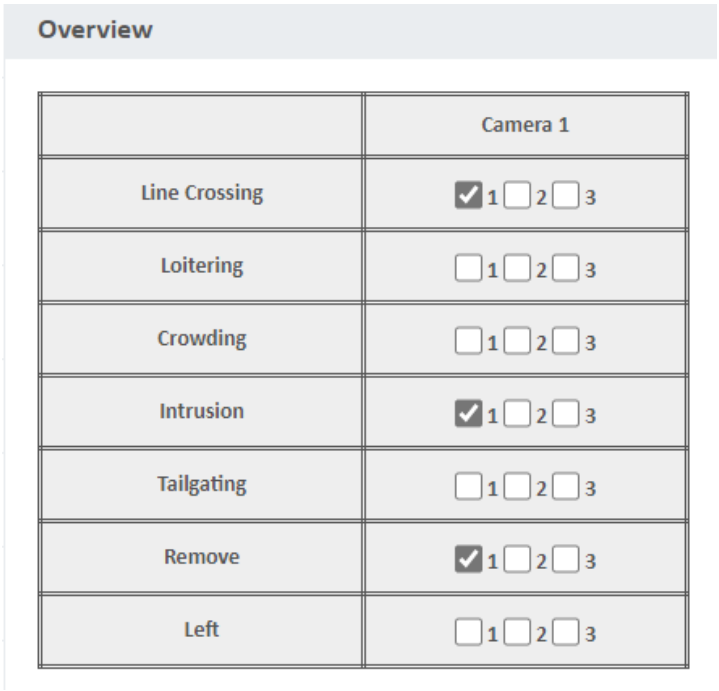
- Enable: Click the button to enable the left feature for each area; toggle Enable or Disable.
- Draw Area: Select Area 1, 2 or 3. Click on the video display; a box displays. Additionally, use the cursor to draw the area at the desired location.
- Object Left Duration (Sec): Enter a number to define how long a time (seconds) has to remain in the area before the object is considered left (1-65535).



Be sure to Save the settings. To undo any changes, select Reset. After saving, when an event occurs, it will be highlighted on the live view screen and bounding boxes will display on live and playback video.

Video Analytics – Overview

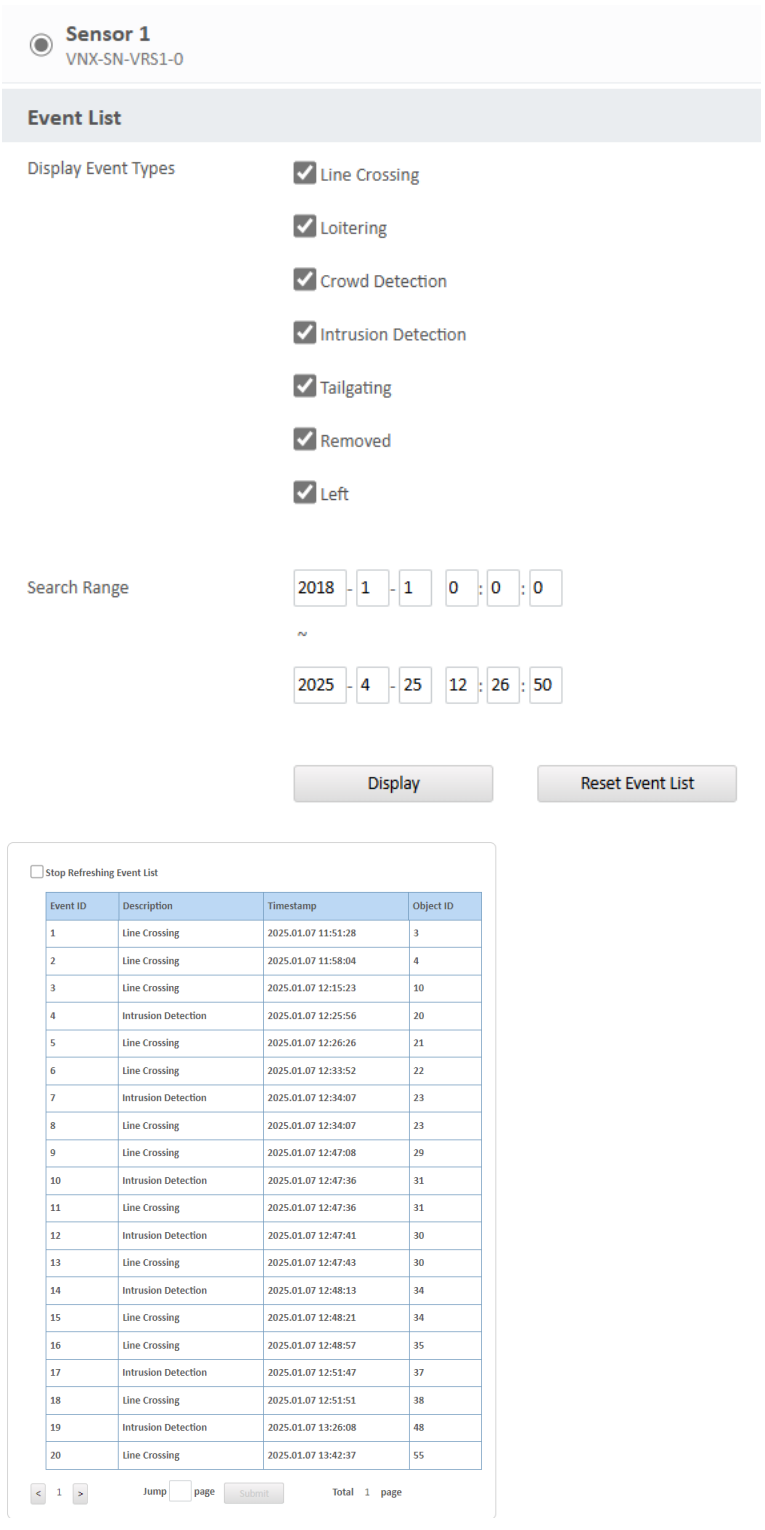
The Overview chart presents a summary of all the video analytics that have been configured for each camera sensor. From here, the analytics can be enabled or disabled by checking or unchecking the box next to the line/area 1-3.



Be sure to Save the settings. To undo any changes, select Reset.

Video Analytics – Event List

A list of available video analytics event types is shown. Check the Event Type(s) for which a report is needed. A Search Range of dates and times is provided. Click Display to see a report on what events took place and when. If there are multiple pages in the report, entering a page number in the jump field and clicking Submit will display that page; clicking the arrows on either side of the page number allows scrolling through the pages. Check Stop Refreshing Event List to halt the list from being constantly updated; this allows the user to easily search the event without refreshing the list, since new events might cause the event page to jump to the next page, making the search more difficult. Clicking Reset Event List will clear the current list and start over.


Sensor 1
VNX-SN-VRS1-0
Event List
Display Event Types
Line Crossing
Loitering
Crowd Detection
Intrusion Detection
Tailgating
Removed
Left
Search Range
2018 - 1 - 1 0 : 0 : 0
~
2025 - 4 - 25 12 : 26 : 50
Display
Reset Event List
Stop Refreshing Event List
Event ID | Description | Timestamp | Object ID
1 | Line Crossing | 2025.01.07 11:51:28 | 3
2 | Line Crossing | 2025.01.07 11:58:04 | 4
3 | Line Crossing | 2025.01.07 12:15:23 | 10
4 | Intrusion Detection | 2025.01.07 12:25:56 | 20
5 | Line Crossing | 2025.01.07 12:26:26 | 21
6 | Line Crossing | 2025.01.07 12:33:52 | 22
7 | Intrusion Detection | 2025.01.07 12:34:07 | 23
8 | Line Crossing | 2025.01.07 12:34:07 | 23
9 | Line Crossing | 2025.01.07 12:47:08 | 29
10 | Intrusion Detection | 2025.01.07 12:47:36 | 31
11 | Line Crossing | 2025.01.07 12:47:36 | 31
12 | Intrusion Detection | 2025.01.07 12:47:41 | 30
13 | Line Crossing | 2025.01.07 12:47:43 | 30
14 | Intrusion Detection | 2025.01.07 12:48:13 | 34
15 | Line Crossing | 2025.01.07 12:48:21 | 34
16 | Line Crossing | 2025.01.07 12:48:57 | 35
17 | Intrusion Detection | 2025.01.07 12:51:47 | 37
18 | Line Crossing | 2025.01.07 12:51:51 | 38
19 | Intrusion Detection | 2025.01.07 13:26:08 | 48
20 | Line Crossing | 2025.01.07 13:42:37 | 55
< 1 >
Jump page Submit
Total 1 page

Network – Basic

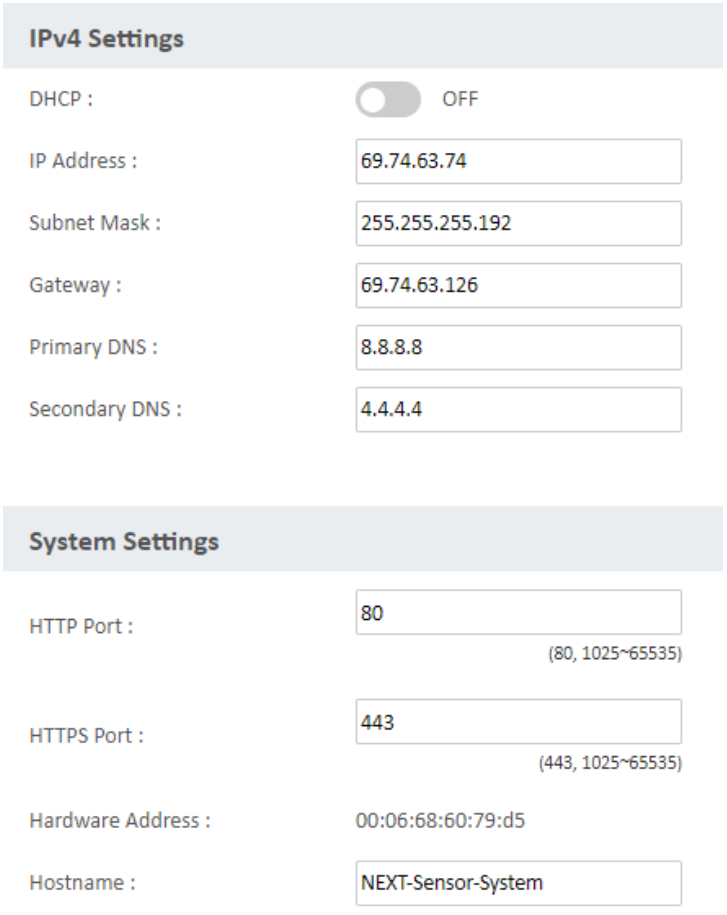
Select Network at the top of the screen; select Basic from the left column.

IPv4 Settings:

- DHCP: Click the button to enable DHCP; toggle ON or OFF. Use this feature if the camera is connected to a network with a DHCP server.
- IP Address: To manually configure an IP address, disable DHCP and enter the IP Address, Subnet Mask, Gateway and Primary and Secondary DNS server address.

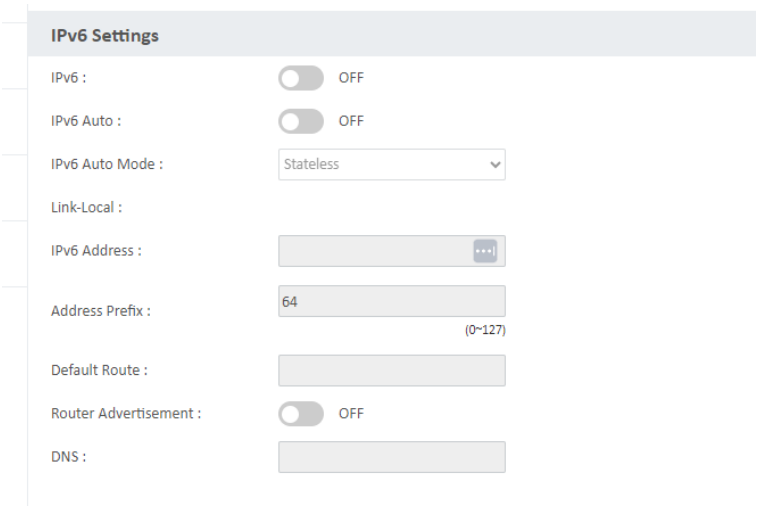
System Settings:

- HTTP Port: Configure the HTTP port number of the web configuration menu.
- HTTPS Port: Configure the HTTPS port number of the web configuration menu.
- Hardware Address: Unique MAC address for each camera.
- Hostname: Enter a camera name.



IPv6 Settings:

- IPv6: Click the button to enable IPv6; toggle ON or OFF.
- IPv6 Auto: Click the button to enable IPv6 Auto; toggle ON or OFF.
- IPv6 Auto Mode: Click the button to enable IPv6 Auto; toggle ON or OFF. There are 3 modes, Stateless, Stateless DHCP and Stateful DHCP.
- Link Local: Enter if available if IPv6 is enabled.
- IPv6 Address: Enter an IPv6 address.
- Address Prefix: Enter an address prefix.
- Default Route: Enter a default route.
- Router Advertisement: A method for local IPV6 hosts to automatically configure their own IP address. Click the button to enable; toggle ON or OFF.
- DNS: Enter DNS information.

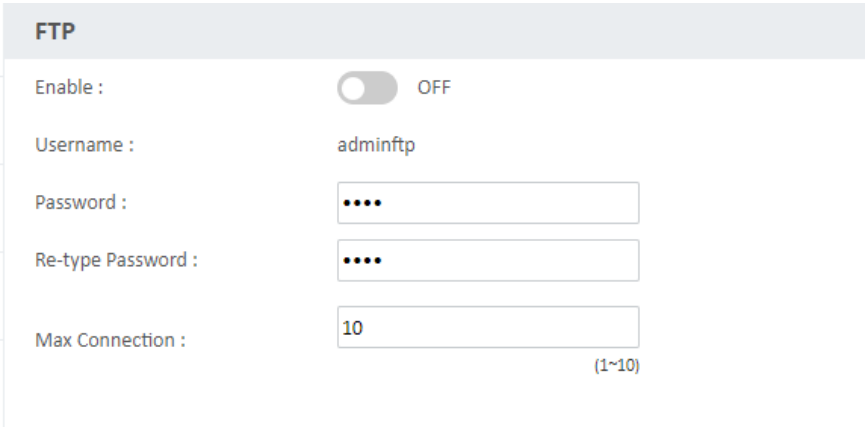


Be sure to Save the settings. To undo any changes, select Reset.

Network – FTP

Select Network at the top of the screen; select FTP from the left column.

- Enable: Click the button to enable FTP; toggle ON or OFF. This is only available when an SD card is inserted.
- Username: Enter username.
- Password/Re-type Password: Specify the FTP login password to access the camera; re-type to confirm the password.
- Max Connection: Specify the maximum number of FTP connections the camera can support; the range is 1-10.

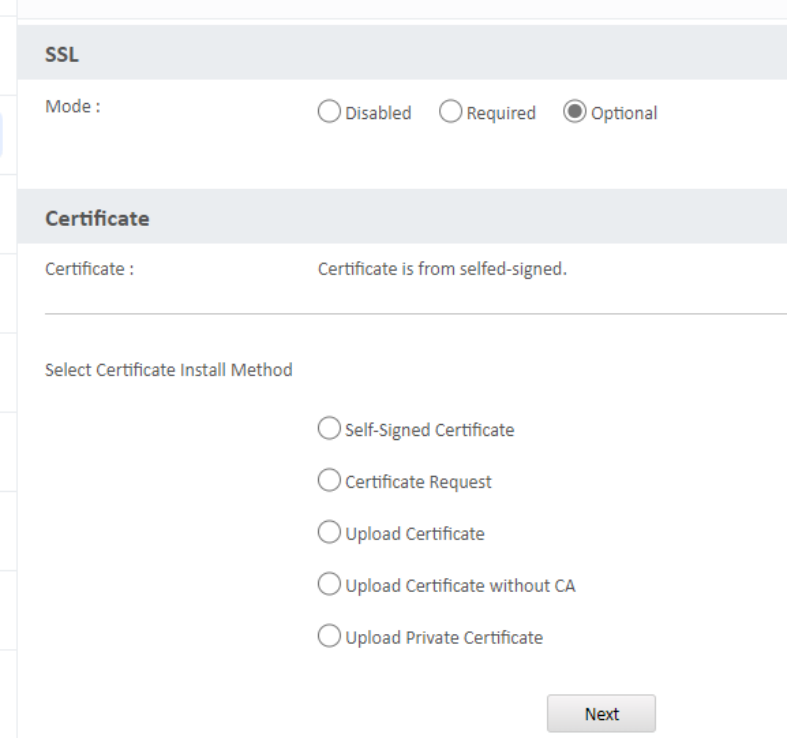


Be sure to Save the settings. To undo any changes, select Reset.

Network – SSL

Select Network at the top of the screen; select SSL from the left column.

- Mode: Select a mode from Disabled (support for HTTP only), Required (support for HTTP and HTTPS) or Optional (support for HTTPS only); check the radio button.
- Certificate: Displays the certificate that was installed. Select a certificate install method by clicking the radio button. Click Next.

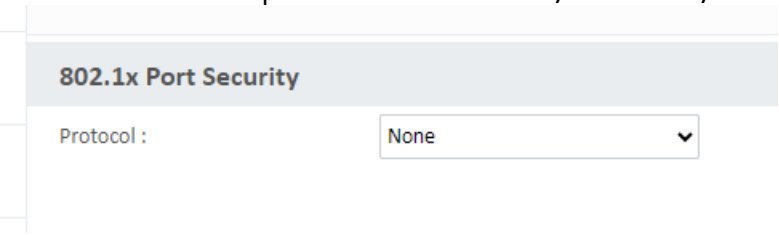


Be sure to Save the settings. To undo any changes, select Reset.

Network – 802.1x

Select Network at the top of the screen; select 802.1 from the left column.

- Protocol: Select a protocol; the default is None to disable the 802.1x function. Options are EAP-MD5, EAP-TLS, EAP-TTLS, EAP-PEAP.



Be sure to Save the settings. To undo any changes, select Reset.

Network – SNMP

Select Network at the top of the screen; select SNMP from the left column.

SNMP Configurations:

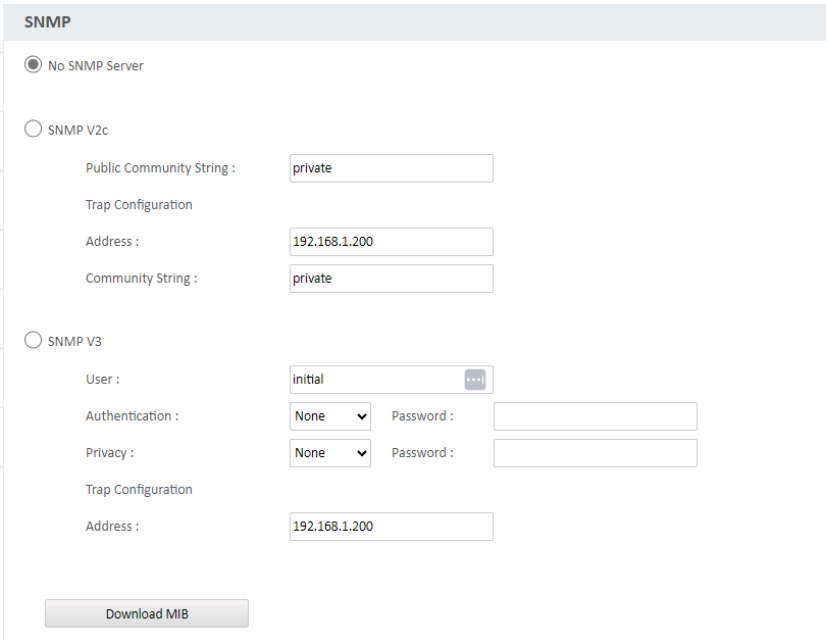
- No SNMP Server: If the system does not have an SNMP server, select the No SNMP Server radio button.

SNMP V2c: Click the SNMP V2c radio button to enable or disable SNMP V2c support.

- Public Community String: Configure the community string.
- Trap Configuration: Specify the destination IP address to send the SNMP trap messages and the community string.

SNMP V3: Click the SNMP V3 radio button to enable or disable SNMP V3 support.

- User: Configure the SNMPV3 username.
- Authentication: Configure the Authentication mode. Options are None, MD5, SHA; enter password as needed.
- Privacy: Configure encryption for SNMPv3. Options are None, DES, AES; enter password as needed.
- Trap Configuration: Specify the destination IP address to send the SNMP trap messages.
- Download MIB: Click to download MIB file for SNMP.

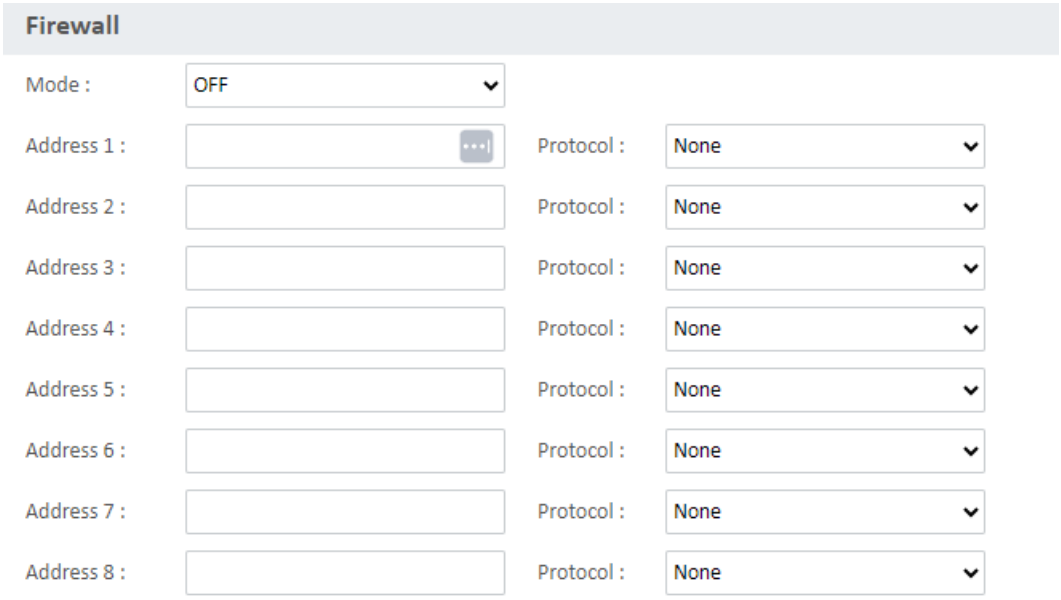


Be sure to Save the settings. To undo any changes, select Reset.

Network – Firewall

Select Network at the top of the screen; select Firewall from the left column.

- Mode: Select the firewall mode; available options are OFF, Allow, Deny. Select OFF to disable the filtering of the specified IP address. Select Allow or Deny from the dropdown menu to specify the type of filtering rule applied to the IP address entered.
- Address: Enter the IP address and associated protocol (TCP, UDP, None) to filter. Up to 8 addresses can be configured.

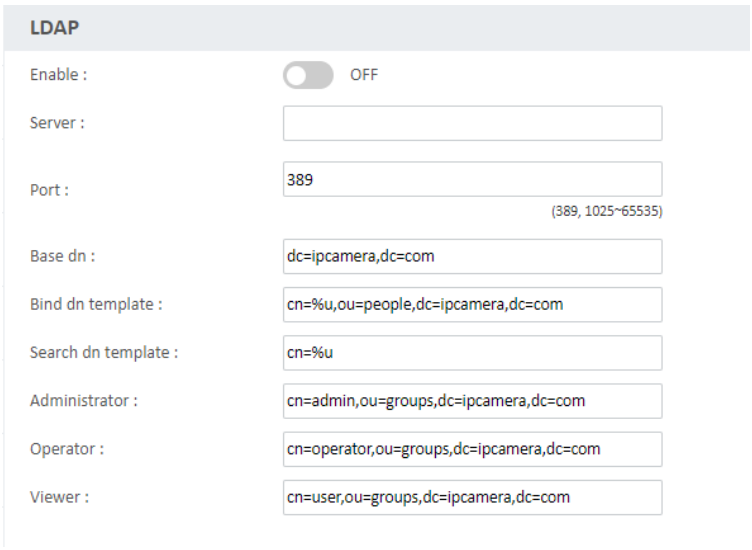


Be sure to Save the settings. To undo any changes, select Reset.

Network – LDAP

Select Network at the top of the screen; select LDAP from the left column.

- Enable: Click the button to enable LDAP; toggle ON or OFF.
- Server: Enter information.
- Port: Enter information.
- Base dn: Enter information.
- Bind dn Template: Enter information.
- Search dn Template: Enter information.
- Administrator: Enter information.
- Operator: Enter information.
- Viewer: Enter information.

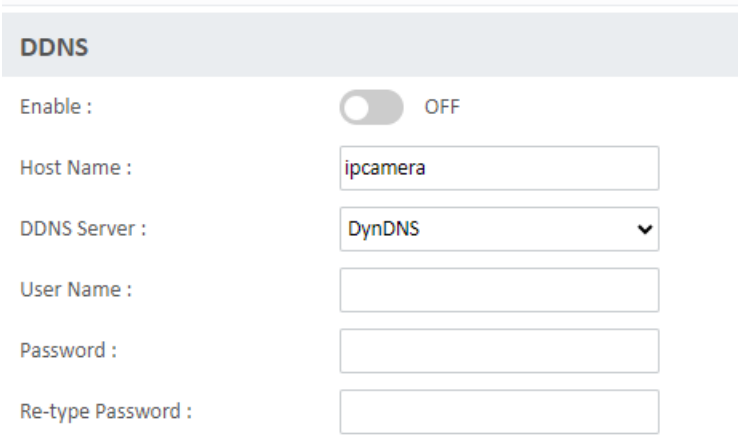


Be sure to Save the settings. To undo any changes, select Reset.

Network – DDNS

Select Network at the top of the screen; select DDNS from the left column.

- Enable: Click the button to enable DDNS service; toggle ON or OFF.
- Host Name: Enter the host name of the DDNS account.
- DDNS Server: Select the DDNS service provider from the dropdown menu; the available providers are DynDNS, NO-IP, Two-DNS. The default in DynDNS.
- User Name: Enter the user name of the DDNS account.
- Password/Re-type Password: Enter the password of the DDNS account; re-type the password to confirm.



Be sure to Save the settings. To undo any changes, select Reset.

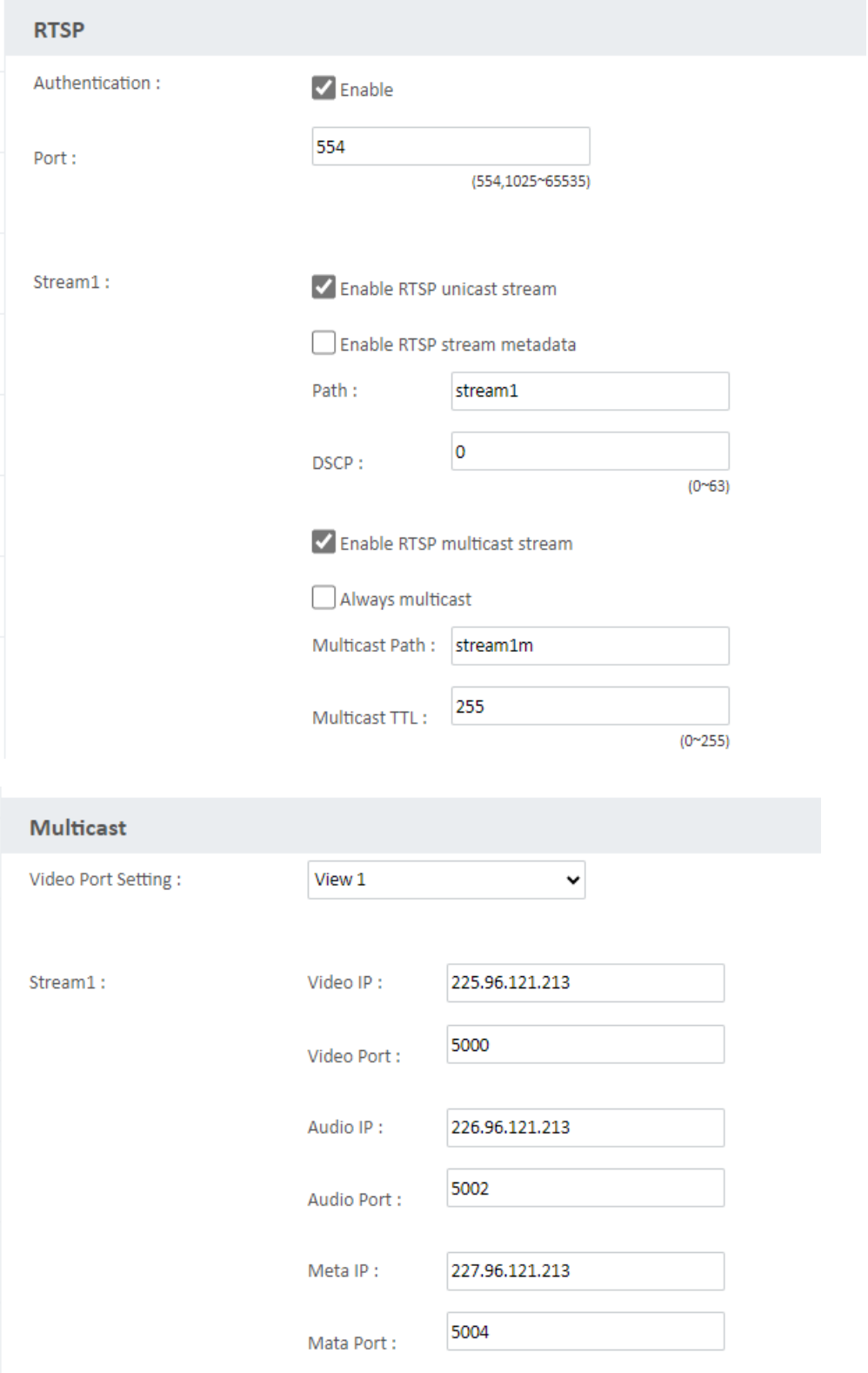
Network – RTSP

Select Network at the top of the screen; select RTSP from the left column.

- Authentication: Check the box to enable.
- Port: Configure to port number for streams 1 to stream 4. The range is 554/1025-65535.
- Enable or disable RTSP unicast stream or RTSP stream metadata for each stream (1-4). Enter the Path and DSCP number (0-63).
- Enable or disable RTSP multicast stream or Always multicast for each stream. Enter the multicast path (URL address of the video stream) and multicast TTL (time-toplive threshold of the multicast datagram before it is discarded by the router; 0-255).

Multicast for Streams 1-4

- Video Port Setting: Select from the dropdown menu.
- Video IP: Configure the multicast address to stream video.
- Video Port: Configure the port number of the video stream.
- Audio IP: Configure the multicast address to stream audio.
- Audio Port: Configure the port number of the audio stream
- Meta IP: Configure the multicast address for the HTML meta.
- Meta Port: Configure the multicast port for the HTML meta.

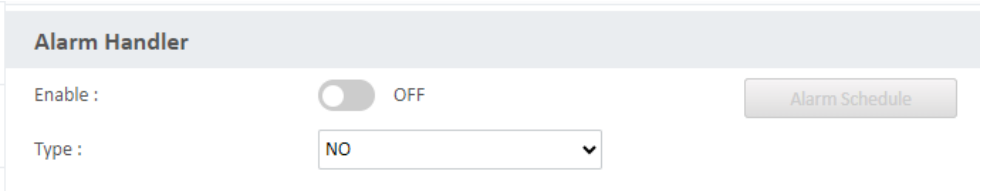


Be sure to Save the settings. To undo any changes, select Reset.

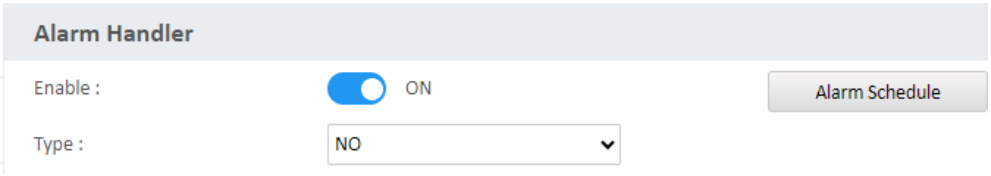
Event - Alarm Handler

Select Event at the top of the screen; select Alarm Handler from the left column.

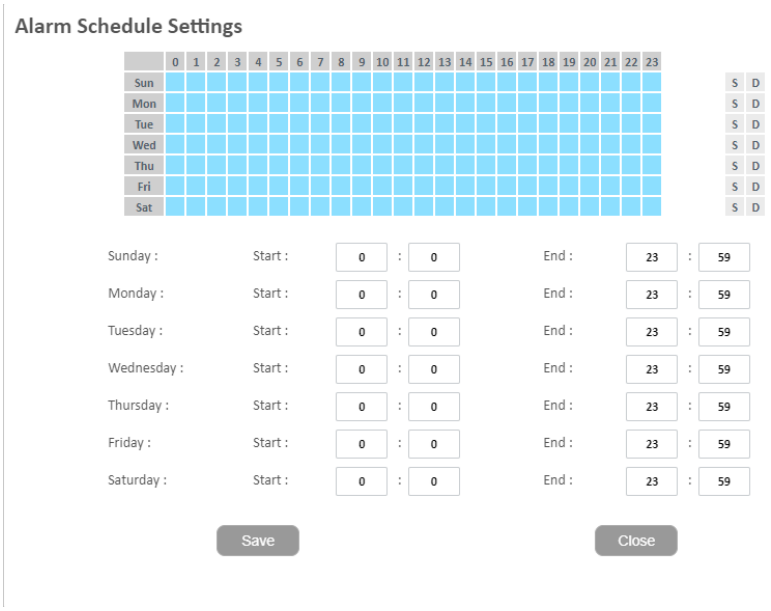
- Enable: Click the button to enable Alarm Handler; toggle ON or OFF.
- Type: Select the type of alarm, Normally Open (NO) or Normally Closed (NC).



- Alarm Schedule: When enabled, click the alarm schedule button to set up the alarm schedule.



- S: Press S for a particular weekday to set up a 24-hour schedule automatically.
- D: Press D for a particular weekday to clear all the previous scheduled settings automatically.



Configure the scheduled time by holding down the mouse button and clicking the time block to enable the schedule settings on the selected time. A light blue color on the time block indicates that the alarm schedule is enabled; a light gray color indicates that the alarm schedule is disabled.

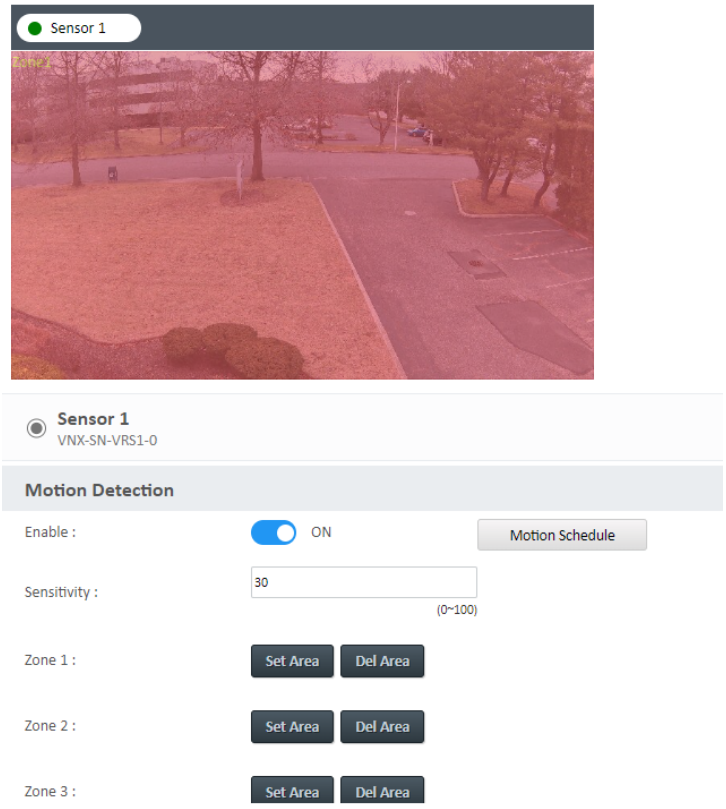
Alternatively, manually enter numbers to confiture the hours and minutes from start to end for all weekdays.

Be sure to Save the settings; press Close to exit the alarm schedule settings page. Be sure to Save the settings. To undo any changes, select Reset.

Event – Motion Detection

Select Event at the top of the screen; select Motion Detection from the left column.

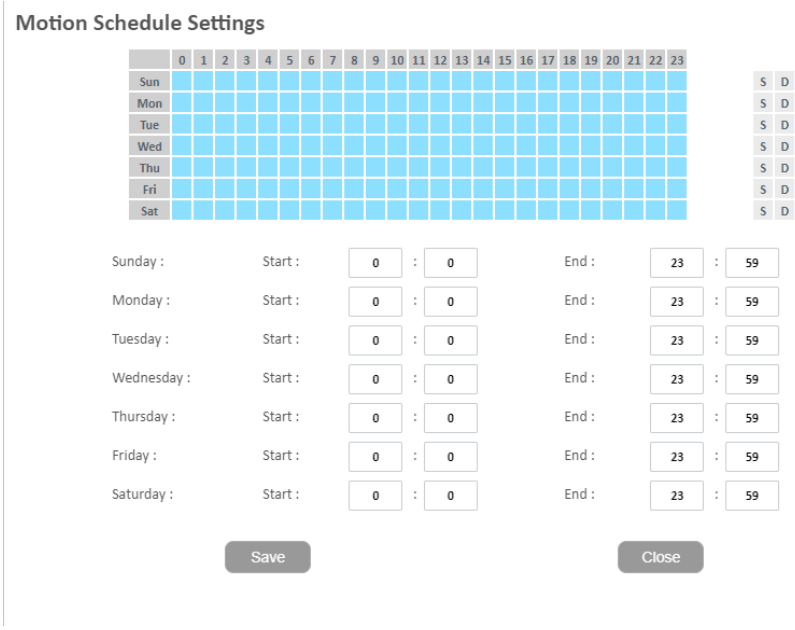
- Enable: Click the button to enable Motion Detection; toggle ON or OFF.
- Sensitivity: Set the sensitivity of motion detection; the range is 0-100. A higher number means motion is detected with a slighter amount of motion; a lower number means motion is triggered by a major change in motion in the scene.
- Zones: Up to 5 motion zones can be configured.



To configure each zone, on the live video display, select the area to set up by holding down the mouse button and drag to make a rectangle shape; release the button when the desired area is covered.

Press the Set Area button to set this area as a motion zone. To delete an area, select the motion zone to remove and press the Del Area button.

- Motion Schedule: When enabled, press the motion schedule button to set up the motion schedule.



  - S: Press S for a particular weekday to set up a 24-hour schedule automatically.
  - D: Press D for a particular weekday to clear all the previous scheduled settings automatically.

Configure the scheduled time by holding down the mouse button and clicking the time block to enable the schedule settings on the selected time. A light blue color on the time block indicates that the alarm schedule is enabled; a light gray color indicates that the alarm schedule is disabled.

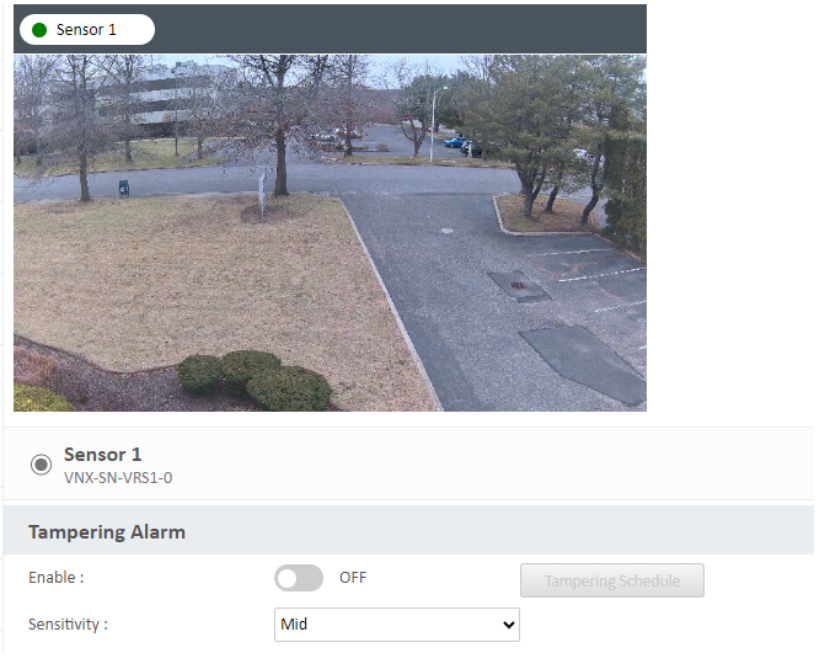
Alternatively, manually enter numbers to confiture the hours and minutes from start to end for all weekdays.

Be sure to Save the settings; press Close to exit the alarm schedule settings page. Be sure to Save the settings. To undo any changes, select Reset.

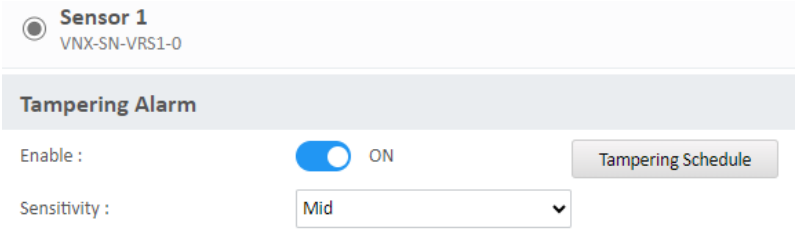
Event – Tampering Alarm

Select Event at the top of the screen; select Tampering Alarm from the left column.

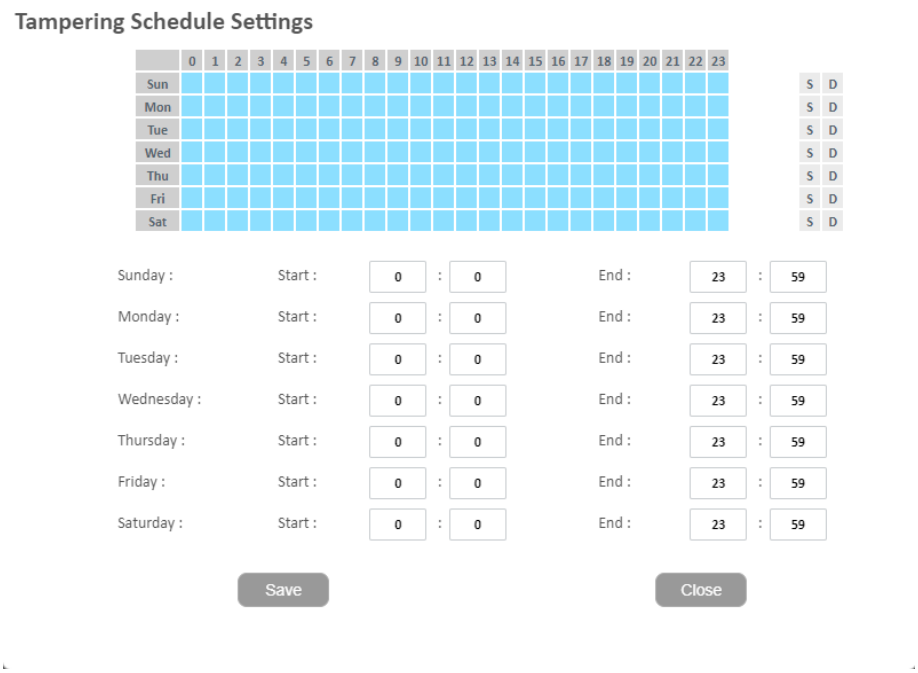
- Enable: Click the button to enable Tampering Alarm; toggle ON or OFF.
- Sensitivity: Set the sensitivity of tampering alarm; select from High, Mid, Low. High means the camera is triggered by a minor tamper issue; low means the camera is triggered by a major tamper issue.



- Tampering Schedule: When enabled, click the tampering schedule button to set up the tampering schedule.



- S: Press S for a particular weekday to set up a 24-hour schedule automatically.
- D: Press D for a particular weekday to clear all the previous scheduled settings automatically.



Configure the scheduled time by holding down the mouse button and clicking the time block to enable the schedule settings on the selected time. A light blue color on the time block indicates that the alarm schedule is enabled; a light gray color indicates that the alarm schedule is disabled.

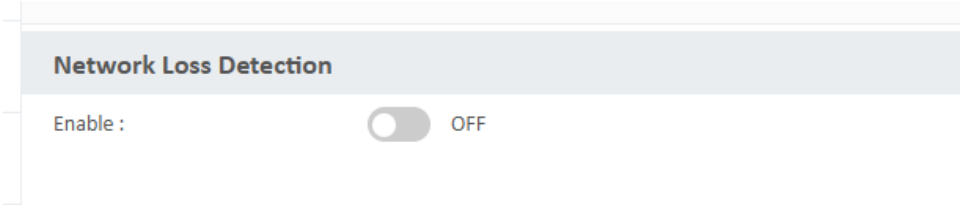
Alternatively, manually enter numbers to confiture the hours and minutes from start to end for all weekdays.

Be sure to Save the settings; press Close to exit the alarm schedule settings page. Be sure to Save the settings. To undo any changes, select Reset.

Event – Network Loss Detection

Select Event at the top of the screen; select Network Loss from the left column.

- Enable: Click the button to enable Network Loss; toggle ON or OFF.



Event – FTP Upload

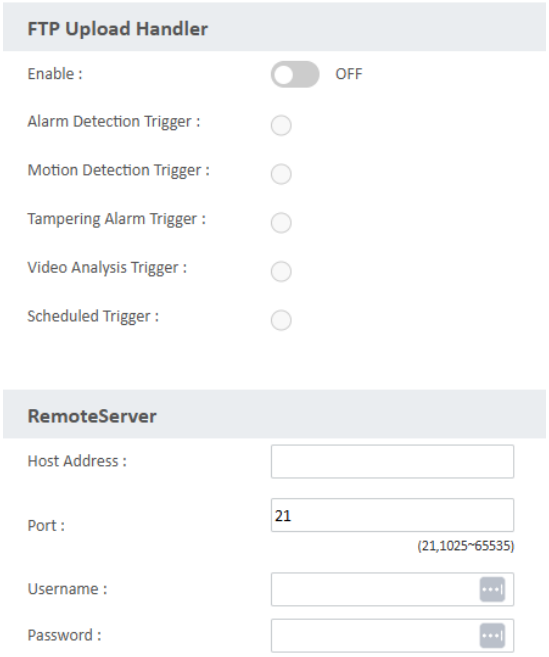
Select Event at the top of the screen; select FTP Upload from the left column.

FTP Upload Handler:

- Enable: Click the button to enable FTP Upload; toggle ON or OFF. Check the radio button to select which type of event trigger to enable. The trigger options are Alarm Detection, Motion Detection, Tampering Alarm, Video Analysis, and Scheduled.

Remote Server:

- Host Address: Specify the host name or IP address of the FTP server that the camera will connect to.
- Port: Specify the port number of the FTP server (21, 1025-65535).
- Username: Enter the username.
- Password: Enter the password.



Be sure to Save the settings. To undo any changes, select Reset.

Event – SMTP

Select Event at the top of the screen; select SMTP from the left column.

SMTP Notification: Configure the SMTP mail server address that the camera will use to send emails.

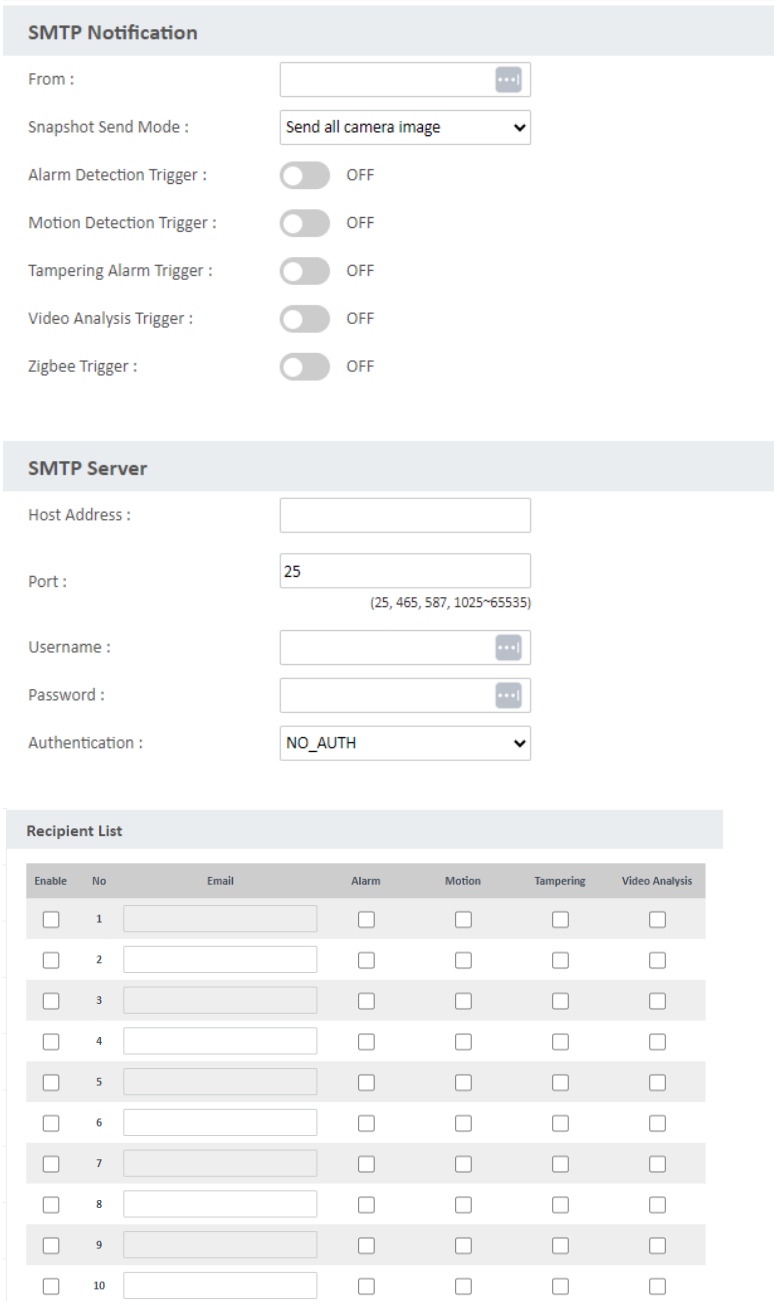
- From: Specify the email address of the sender.
- Snapshot Send Mode: Select either Send all camera image or Send trigger camera image.
- Triggers: Use the toggle button to enable the event triggers; the options are Alarm Detection, Motion Detection, Tampering Alarm and Video Analysis.

SMTP Server:

- Host Address: Specify the host name of IP address of the SMTP mail server.
- Port: Specify the port number of the SMTP mail server (25, 465, 587, 1025-65535).
- Username: Specify the login username for the SMTP mail server.
- Password: Specify the login password for the SMTP mail server.
- Authentication: Specify the SMTP server authentication mode; the options are NO-AUTH, SMTP_Plain, LOGIN and TLS_TLS.

Recipient List:

- Click to enable and specify an email address to send the email to when an event is triggered by the events selected (Alarm, Motion, Tampering, Video Analysis). A maximum of 10 email addresses can be configured. Check the box to enable.



Be sure to Save the settings. To undo any changes, select Reset.

Event – Network Storage

Select Event at the top of the screen; select Network Storage from the left column.

Network Storage Handler:

- Enable: Click the button to enable Network Storage; toggle ON or OFF. Check the radio button to select which type of event trigger to enable. The trigger options are Alarm Detection, Motion Detection, Tampering Alarm, Video Analysis and Scheduled.

Recipient Setup:

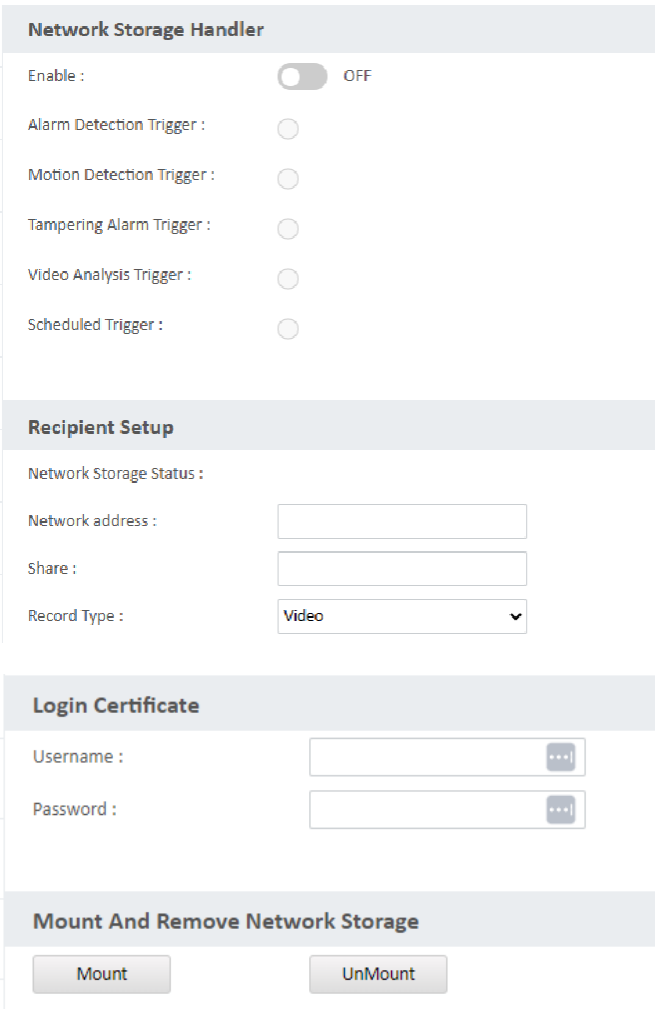
- Network Storage Status: Displays the current connection status with the network storage server; populates after the Mount/Remove process is complete. Options are not_mounted or ok.
- Network Address: Specify the IP address of the network storage server.
- Share: Specify the shared folder name on the network storage server.
- Record Type: Specify the event trigger action; the options are Snapshot and Video.

Login Certificate:

- Username: Specify the login username for the network storage server.
- Password: Specify the login password for the network storage server.

Mount And Remove Network Storage:

- Mount: Click the Mount button. Set up a network connection with the network server. All the video recordings or snapshots from the event triggers will be uploaded to the network storage server. After the setting is complete, the Network Storage Status will display ok.
- UnMount: Click the UnMount button. Delete the previous setting or set up a new one. After the setting is removed, the Network Storage Status will display not_mounted.

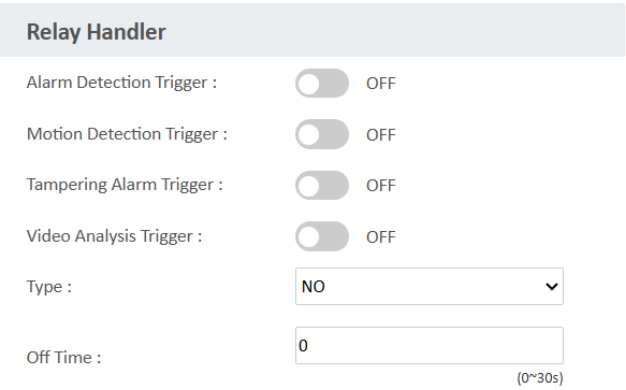


Be sure to Save the settings. To undo any changes, select Reset.

Event – Relay Handler

Select Event at the top of the screen; select Relay Handler from the left column.

- Triggers: Toggle the button to enable the event triggers for devices connected to the DI/DO of the camera; toggle ON or OFF. The trigger options are Alarm Detection, Motion Detection, Tampering Alarm and Video Analysis.
- Type: Select the type of contact; options are NO (Normally Open) and NC (Normally Closed).
- Off Time: Enter the time before the relay turns off; the range is 0-30 seconds.



Be sure to Save the settings. To undo any changes, select Reset.

Event – SD Record Handler

Select Event at the top of the screen; select SD Handler from the left column.

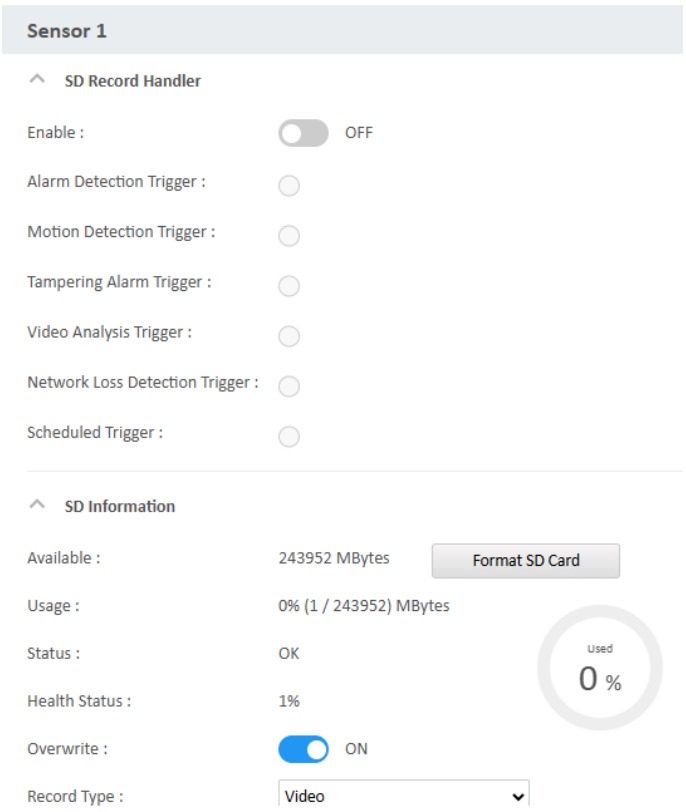
SD Record Handler:

- Enable: Click the button to enable SD Record; toggle ON or OFF. Check the radio button to select which type of event trigger to enable. The trigger options are Alarm Detection, Motion Detection, Tampering Alarm, Video Analysis, Network Loss and Scheduled.

SD Information:

- Available: If an SD card is installed, information about the card is displayed.
- Usage: If an SD card is installed, the percentage of the total storage used is displayed.
- Format SD Card: Click the button to format the SD card; all data currently stored on the SD card will be erased if this option is used.
- Status: Displays if an SD card is installed or not, OK or Not Mounted. *Note that only the Vicon Edge Recording Card VNX-EL-SD1T-0 is accepted. The following message will display if this is not used:*

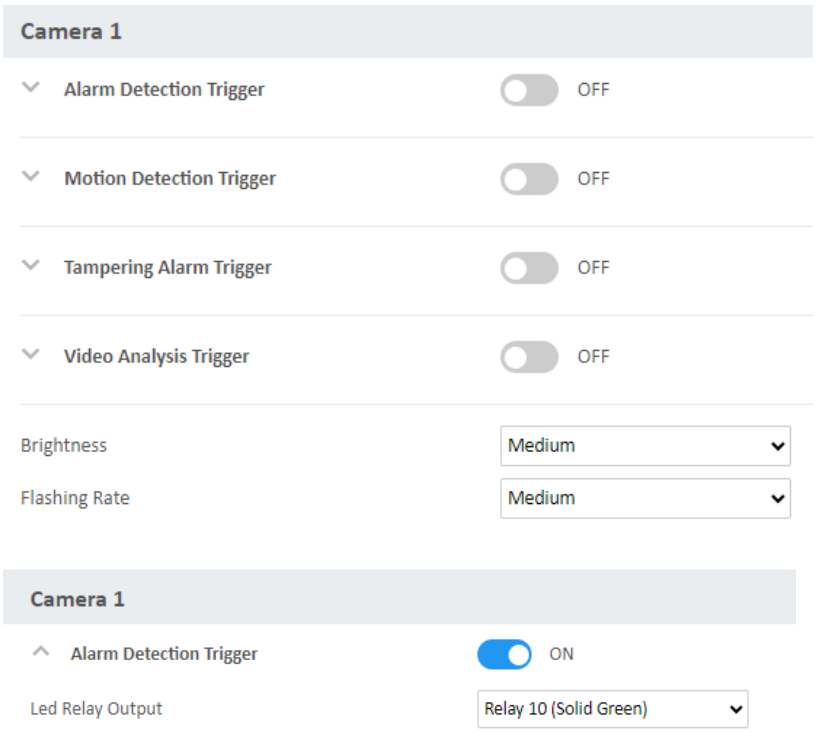
- Health Status: Displays the health of the SD card.
- Overwrite: Click to enable or disable overwriting the data on the SD card; toggle ON and OFF.
- Record Type: Configure the method to record the stream to the SD card. Select Video or Snapshot.



Event – LED Handler

Select Event at the top of the screen; select LED Handler from the left column.

- Triggers: Click the button to enable the LED on the sensor module to react to the event trigger. The trigger options are Alarm Detection, Motion Detection, Tampering Alarm, and Video Analysis. When enabled, the LED Relay Output reaction can be configured. The options are Relay 10 Solid Green, Relay 11 Flashing Green, Relay 12 Solid Yellow, Relay 13 Flashing Yellow, Relay 14 Solid Red, Relay 15 Flashing Red, Relay 16 Solid Blue, Relay 17 Flashing Blue, Relay 18 Rotating Red, Relay 19 Fast Flashing White.
- Brightness: Select how bright the LED is; options are High, Medium, Low.
- Flashing Rate: Select how quickly the LED flashes; options are Fast, Medium, Slow.



Be sure to Save the settings. To undo any changes, select Reset.

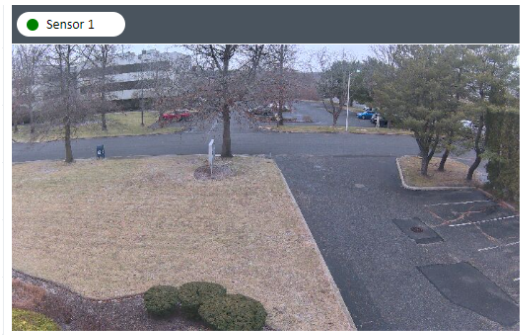
Event – Audio Message Handler

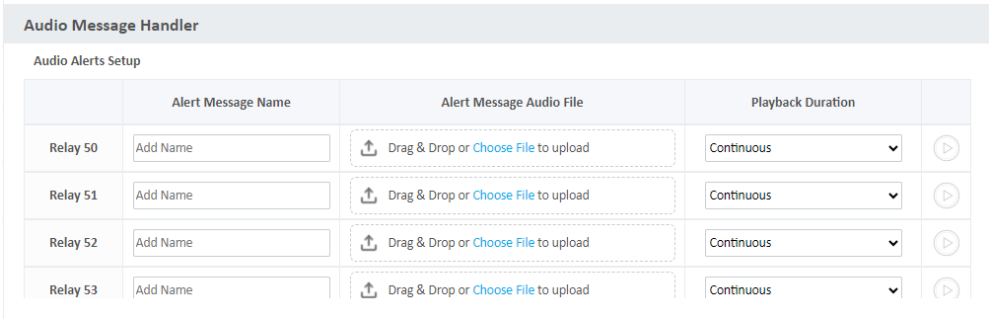
Select Event at the top of the screen; select Audio Message Handler from the left column.

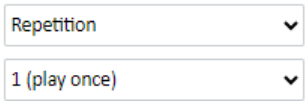
Up to 10 pre-recorded Audio Alerts (Relay 50-Relay 59) can be configured to be heard from the camera's speaker.

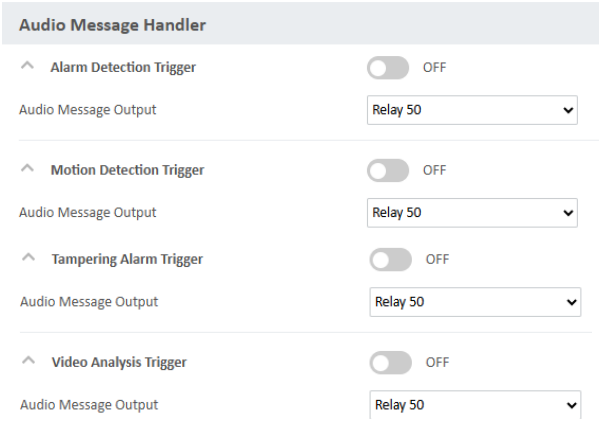
Audio Alerts Setup:

- Alert Message Name: Enter a name for the alert message.
- Alert Message Audio File: Click Choose File to attach a pre-recorded message (.wav) to the alert or drag and drop a file (.wav) into the field.
- Playback: Select a playback duration from Continuous or Repetition. Continuous will continue to be played until the alarm ends. Repetition will repeat the message, 1, 3, 5, 7 or 10 times.
- To listen to the message, press the play button.
- Triggers: Click the button to enable the trigger (Alarm, Motion, Tampering, Video Analysis). Select the Relay (Relay 50-59) for the Audio Message Output.









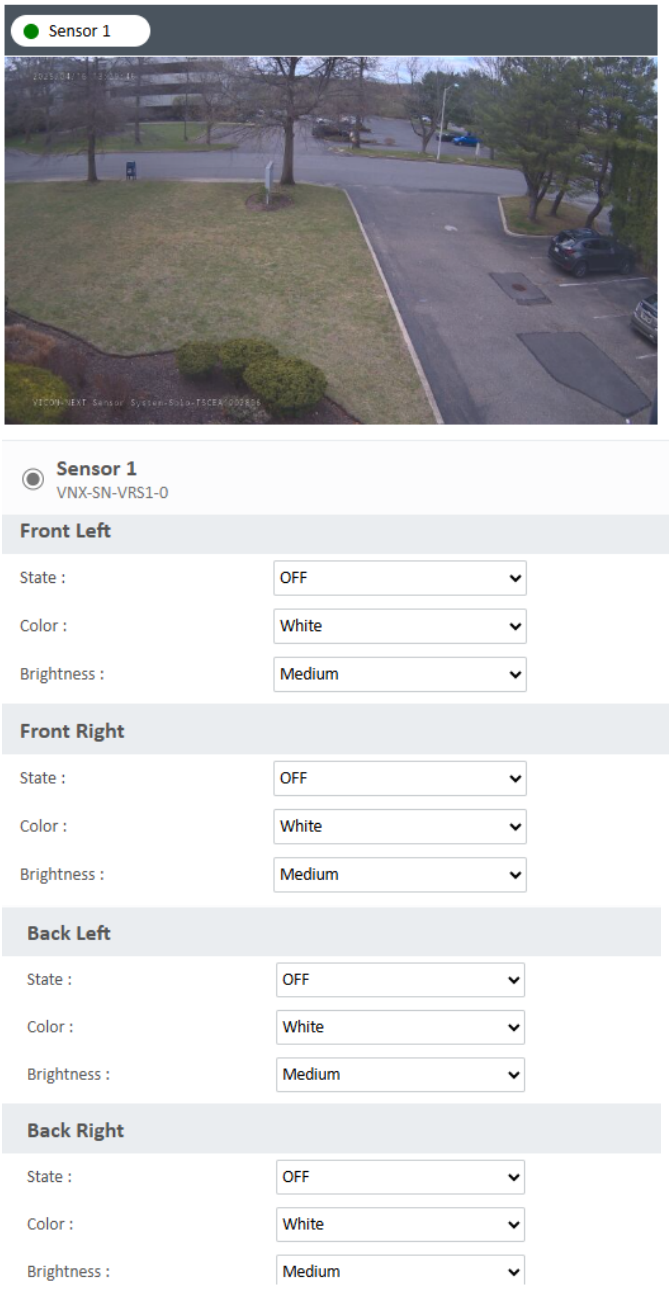
Be sure to Save the settings. To undo any changes, select Reset.

Light

Select Light at the top of the screen. From this screen, configure the four lightbars.

Front Left, Front Right, Back Left, Back Right Settings:

- State: Set the blinking status from OFF, ON (steady), Slow, Medium, Fast.
- Color: Select the color of the light from White, Green, Yellow, Red, Blue.
- Brightness: Set the brightness of the light, Low, Medium, High.



Be sure to Save the settings. To undo any changes, select Reset.

System – Date/Time,

Select System at the top of the screen; select Date/Time from the left column.

Display Format Setting:

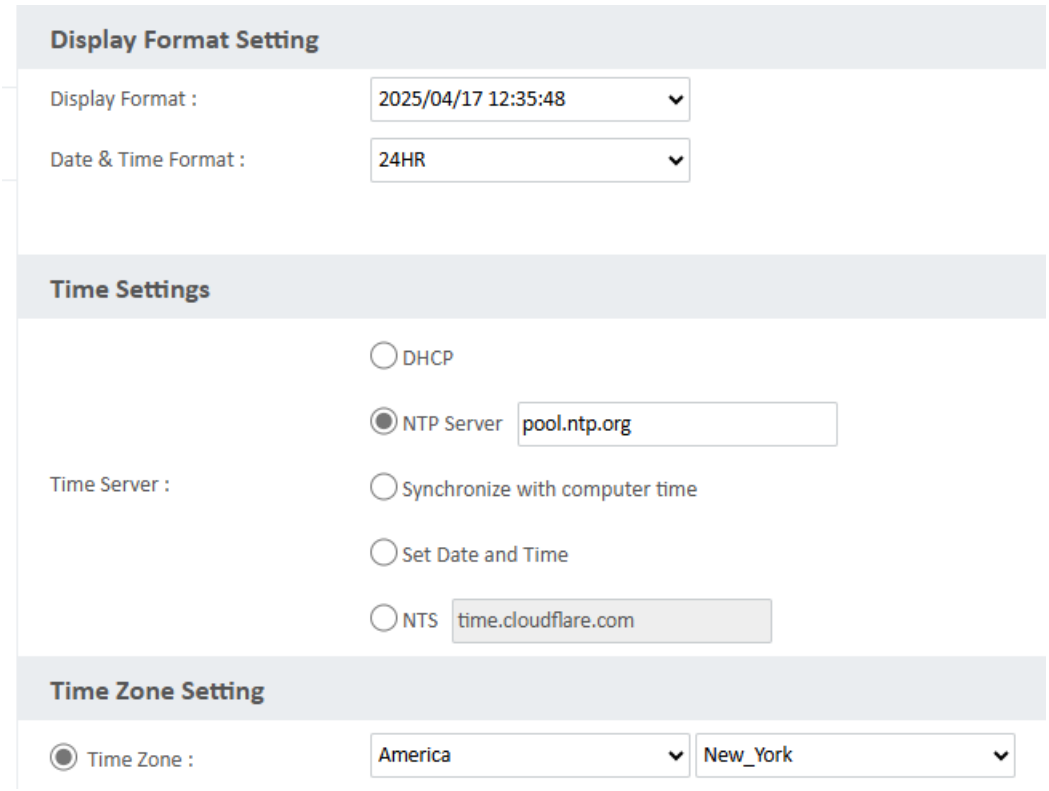
- Display Format: Display the current date and time. Select from MM/DD/YY, MM/DD/YYYY, YY/MM/DD, YYYY-MM-DD, DD/MM/YY, DD/MM/YYYY, YYYY/MM/DD.
- Date & Time Format: Select the date and time format from 24HR or 12HR.

Time Settings:

- Time Server: Select the time server; options are DHCP, NTP Server, Synchronize with computer time, Set Date and Time, NTS.
  DHCP: If your DHCP server provides NTP server information, select this setting to enable NTP information retrieval.
  NTP Server: Select this option to configure the NTP server address manually for date and time synchronization.
  Sync with computer time: Manually synchronize with the current computer date and time. Click the Sync button when this is selected.
  Set Date and Time: Manually define the date and time; the format is yyyy/mm/dd and hh.mm.ss.
  NTS: A security upgrade to NTP that adds authentication and encryption to ensure the time is accurate and secure.

Time Zone Setting:

- Time Zone: Select the relevant location from the dropdown menus.



Be sure to Save the settings. To undo any changes, select Reset.

System – Maintenance

Select System at the top of the screen; select Maintenance from the left column.

System Information:

- System Name: Displays the system name.
- Network Hub Model Name: Displays the network hub model name.
- Firmware Version: Displays the current firmware version.
- Serial Number: Displays the camera's serial number.
- Mac Address: Displays the camera's MAC number.
- Sensor 1 Model Name: Displays the sensor's name.
- Sensor 1 Serial Number: Displays the sensor's serial number.

Firmware Update:

CAUTION: During the update, DO NOT disconnect the network cable, reset or power off the camera, as this may damage the device.
ATTENTION: Pendant la mise à jour, NE DÉBRANCHEZ PAS le câble réseau, NE RÉINITIALISEZ PAS et N'ÉTEIGNEZ PAS la caméra, car cela pourrait l'endommager.

- Choose a bin file to upgrade camera: Click Choose file to select file. Press the Upload button to begin.
- Reboot Camera: Click the Reboot Camera button to reboot the camera.
- Reset to Default: Click the Reset to Default button to restore the camera settings back to factory default except for the IP address (maintains all the settings on the Network Basic setting page).
- Reset to Factory Default: Click this button to restore all the camera's settings back to factory default, including IP address (default is DHCP).
- Download Log File: Record all the status information of the camera in list format when the camera is connected to the PC. Downloads the log file to the computer as a text file.
- Factory Position: Reset the pan, tilt, zoom, focus, rotate to factory position.

Backup:

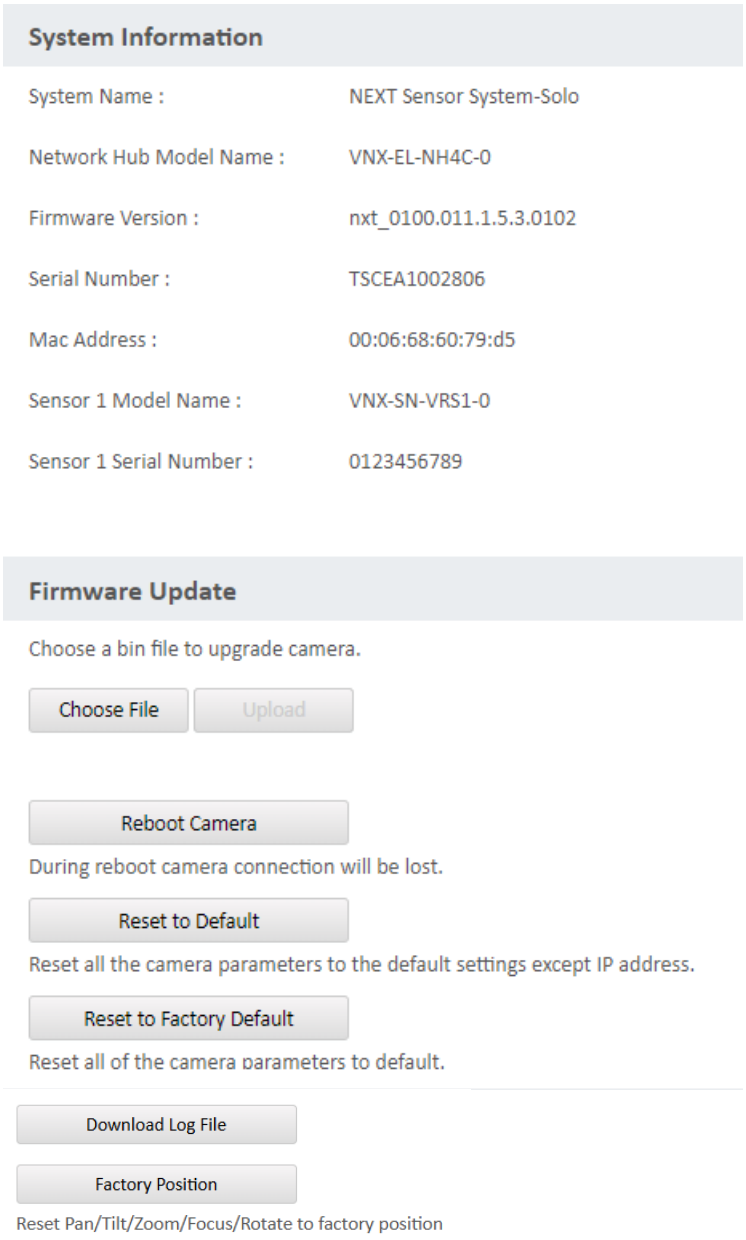
- Download Now: Click this button to download the current camera settings to a backup file.

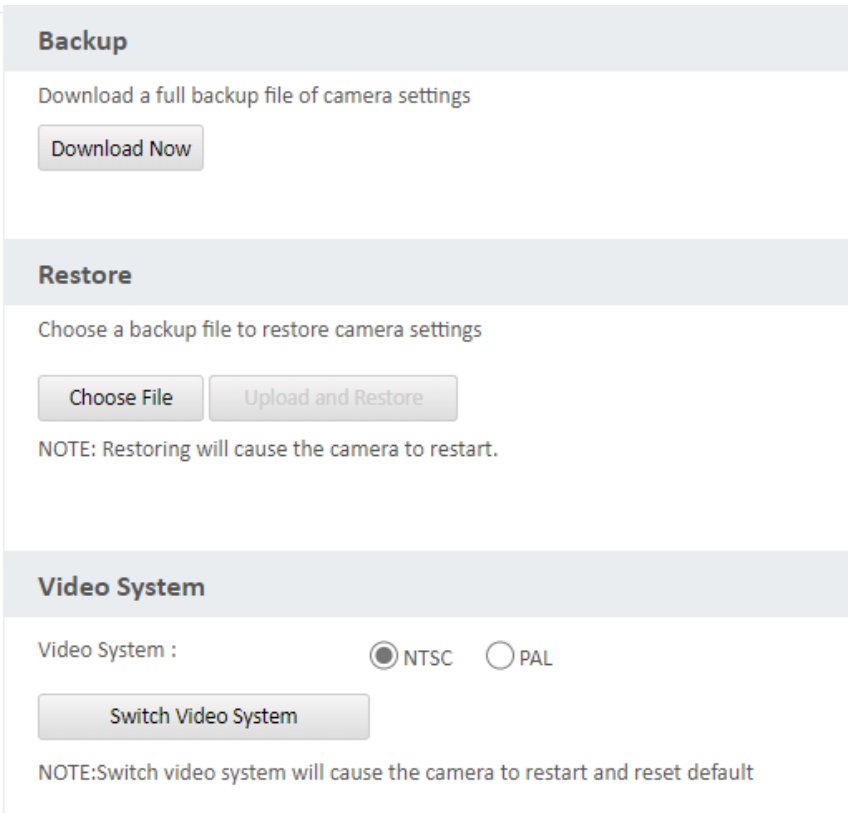
Restore:

- Choose File: Displays the system name.

Video System:

- Video System: Select NTSC or PAL radio button.
- Switch Video System: Click to select a desired video system type. Note that switching the video system type will cause the camera to restart and reset to default.





System – User Management

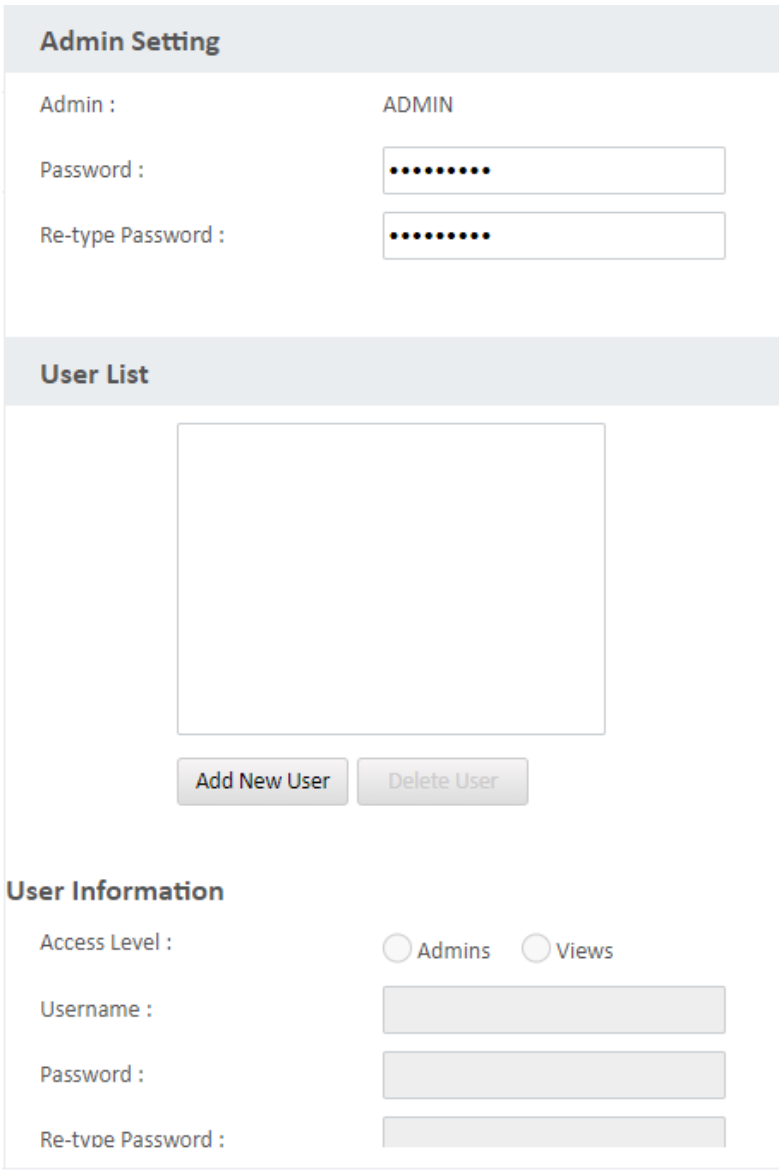
Select System at the top of the screen; select User Management from the left column.

Admin Setting:

- Admin: The default admin username is ADMIN and cannot be changed.
- Password/Re-type Password: Setup the password for the administrator's authorization; retype the password to confirm. Passwords must be 8-32 characters and include uppercase and lowercase letters, a number and a special character (!#@$%&*).

User List: Displays the user accounts available on the camera.

- Add New User: Press this button to add a new account and set up the authorization level of this user in the User Information area below. To remove a user, press the Delete User button.
- User Information: A total of ten accounts can be created for Admins/Views. Each user is assigned an Access Level (Admins or Views), a username and password. Enter this information and confirm the password.



Be sure to Save the settings. To undo any changes, select Reset.

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