3xLOGIC VISIX Gen III Cameras

User Interface Guide

Ver. 1.0 / 2020.07

Simple. Scalable. Secure.

Table of Contents

Legal and Saftey

a. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are

designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment

generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful

interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will

be required to correct the interference at his own expense.

b. This device complies with CAN ICES-3 (A)/NMB-3(A)
c. This device is UL and ULC E467574 (Safety) certified.
d. This device complies with CE 2014/30/EU – EMC Directive, 2015/863/EU RoHS3 as part of 2011/65/EU RoHS
e. This device complies with WEEE

For safety instructions, please refer to your camera's quick start guide, which features all safety information as well as steps for physical installation. docuemntation for indivudal cameras is available at www.3xlogic.com.

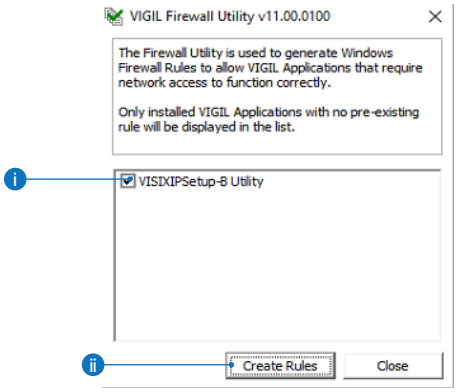
Quick Start-
Adding a Camera to VIGIL Server

Please follow the steps below to identify a camera on your network and add the camera to VIGIL Server. Please be certain to install the latest available firmware for your camera from https://www.3xlogic.com/resource/software-download-center. Instructions on firmware installation are available in section "Setup - System Setup - Firmware Update".

1 Connect the IP Camera and PC to the configured network.

2 Before adding a camera to VIGIL Server, a firewall rule must be created for new camera detection utility. This can be easily performed using the VIGIL Firewall Utility:

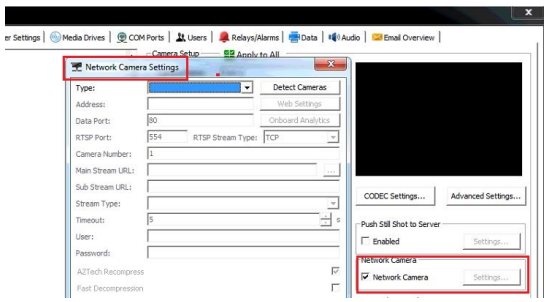
i. Open the Windows Start menu and navigate to Programs>VIGIL>Utilities >Firewall Utility.
ii. After the firewall utility launches, check the box for VSXIPSetup-B Utility.
iii. Click Create Rule(s).
iv. A firewall rule for the utility will be created.



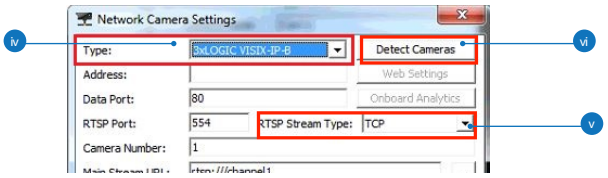
3 Adding the Camera to VIGIL Server -After creating the appropriate firewall rule, the camera can now be added to VIGIL Server. To begin:

i. Update the system to VIGIL Server v11.00.0100 or newer. If updating to v11 series is not possible, alternative details are provided in the applicable steps below.
ii. Download the latest version of the 3xLOGIC Camera Detection Utility-B (VISIXIPUtility-b.exe) here and install in on the VIGIL Server system. Confirm a firewall rule for the utility has been created, as instructed in the previous section.

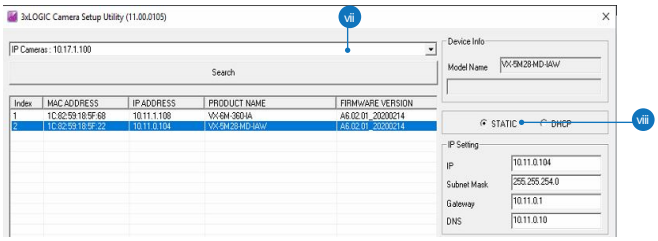
iii. Launch VIGIL Server, open settings (right-click Server tray icon, click Advanced Settings, login and the Camera Setup tab opens by default), select an available camera channel from the available list and open the Network Camera Settings form.



iv. For v11 series systems, select 3xLOGIC VISIX-IP-B in the Type drop-down. For pre-v11 series systems, select RTSP in the Type drop-down.
v. Set the RTSP Stream Type as TCP



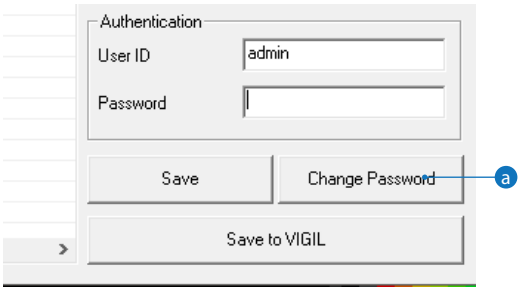
vi. For VIGIL 11 series systems, click the Detect Cameras button to start the 3xLOGIC Camera Setup Utility-B. For Pre 11 systems, launch the utility from Start>Program Files> VIGIL > VISIXIPUtility-B.exe.



vii. When the utility deploys, select the desired network adapter (i.e IP Cameras in the above example) from the available drop-down menu and click Search. A list of detected cameras will be displayed. The utility will list IP and product info for each device. Select a camera from the list to edit camera settings.
viii. The default IP mode for GEN IIII VISIX models is DHCP. If necessary, choose STATIC to edit the camera's IP, gateway, and DNS. Click Save (located bottom right of utility) after making any IP settings changes.
ix. Before proceeding further, the camera's administrative password must be changed from its default to ensure your camera's data is secure. VIGIL Server cannot stream video from the camera if the password is not changed. This is to ensure best security practices. Password setup can be performed from the utility or in the camera's browser UI. Choose one of the following options:

WARNING: *IMPORTANT* VIGIL Server cannot stream video from the camera if the admin password is not changed. This is to ensure best security practices. Always change default device credentials.

a. To change the password in the utility, select the camera, enter in the default login credentials of admin/admin in the Authentication section, click the Change Password button and follow the on-screen prompts. When finished, skip to Step 10 of this section.

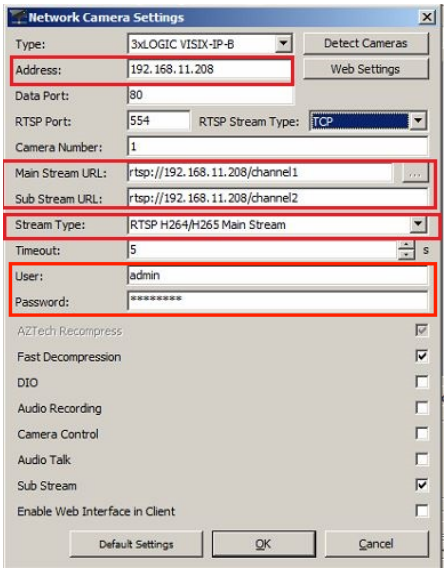


b. To change the password from the browser, see instructions in "Browser Interface - Main Screen (Change Password)" section of this guide.

x. The process for finalizing the addition of a camera to Server varies between v11 systems and pre-v11 systems. See 'a' below for instructions on v11 series and newer systems. See 'b' below for instructions on saving the camera to pre-v11 series VIGIL Servers.

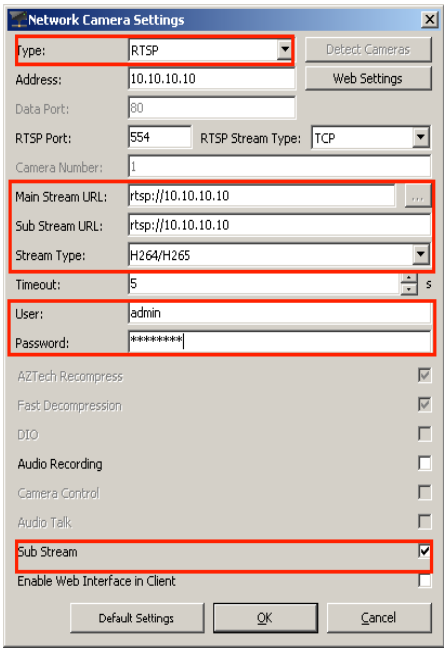
Quick Start -
Adding a VISIX Gen III Camera to VIGIL

a. On VIGIL 11 series systems, select the camera from the utility list, click Save to apply any new settings to the camera then click Save to VIGIL. Camera information (highlighted in the below screenshot) will be automatically added to the camera's Network Settings form in VIGIL Server.



b. On pre-v11 series systems, the information in the utility must be used to manually fill out the Network Camera settings form in VIGIL Server. Use the IP address and other available info for the camera in the detection utility to fill out the following fields in the Network Camera Settings form:

- **Type:** RTSP. (this setting was configured earlier in this section, but be sure to confirm).
- **Address:** Enter the IP address of the camera as displayed in the detection utility.
- **Main Stream URL:** rtsp://IP.ADDRESS/channel1
- **Sub-Stream URL:** rtsp://IP.ADDRESS/channel2 (this field may be greyed out if the Substream box has not been toggled on).
- **Stream Type:** H264/H265
- **User:** admin
- **Password** : Use the new password you configured earlier in this section.
- **Sub Stream** - Toggle this box to enable substream.



xi. After the utility has auto filled the fields, or you have manually entered the information, click the OK button. Set the Recording Speed fields to Set by Camera and click OK or Apply. The camera will now be saved to VIGIL Server.

Your Camera should now be added to VIGIL Server and should begin recording via motion detection automatically. View live , playback and more via VIGIL Client. See "Quick Setup - Viewing the Camera in VIGIL Client" for more information.

Troubleshooting Tips

- **Failure to Save Camera to VIGIL Server**

Login to the camera and confirm the default username and password have been changed. In keeping with modern security practices, the camera cannot be added to VIGIL Server with the default credentials in place.
Be certain to install the latest available firmware available for the camera at the 3xloigc.com Software Download Center.

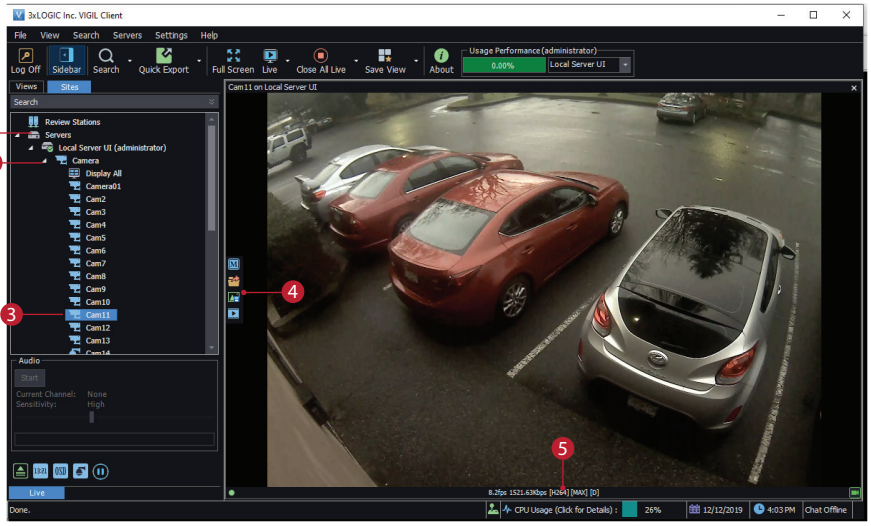
- **- Delay, Frame Skipping When Live Viewing in VIGIL Client / VIGIL Server System High CPU Usage**

Adjust the camera's codec and resolution in the camera's browser UI. This can be especially helpful when cameras are interfaced with older VIGIL Server systems. See SB 200008 for more information.

Quick Setup -
Viewing a Camera in VIGIL Client

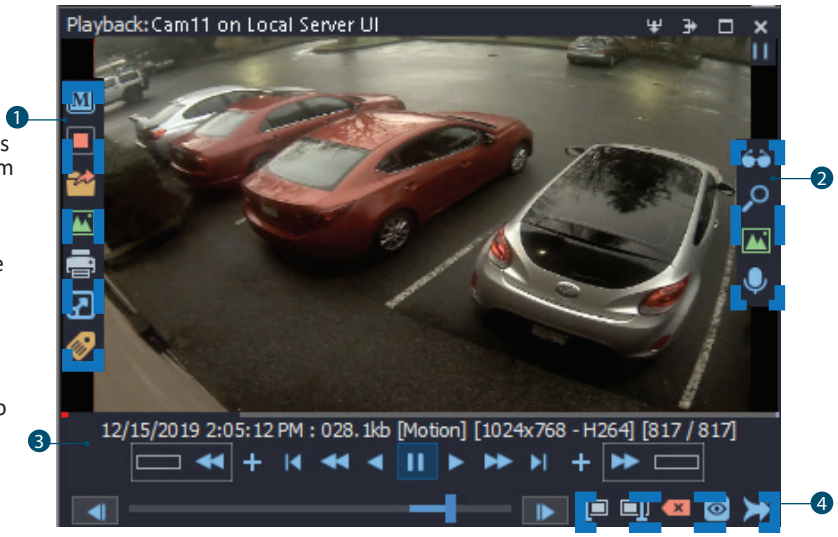
After adding a camera to VIGIL Server, 3xLOGIC recommends VIGIL Client for viewing live and playback. Client's powerful tool set can be leveraged by users to thoroughy and quickly review camera footage and other data collected by a VIGIL Server. After adding a VIGIL Server to VIGIL Client, refer to the steps in this section for details on viewing the camera's footage in VIGIL Server.

1. After launching VIGIL Client, extend the Servers node located in the Sites tab treeview then double-click the desired VIGIL Server to reveal available devices and tools
2. Expand the Camera node to reveal the VIGIL Server's camera**s.**
3. Double-click the desired camera. The camera's live stream will be automatically displayed in the viewing area.
4. Live Edge Controls instantly grant the user accessto common tools such a Capture Still Image, Instant Replay and Stream Type Selection.
5. Stream information such as FPS rate, bitrate and CODEC type are listed when the cursor hovers over the bottom edge of the frame.



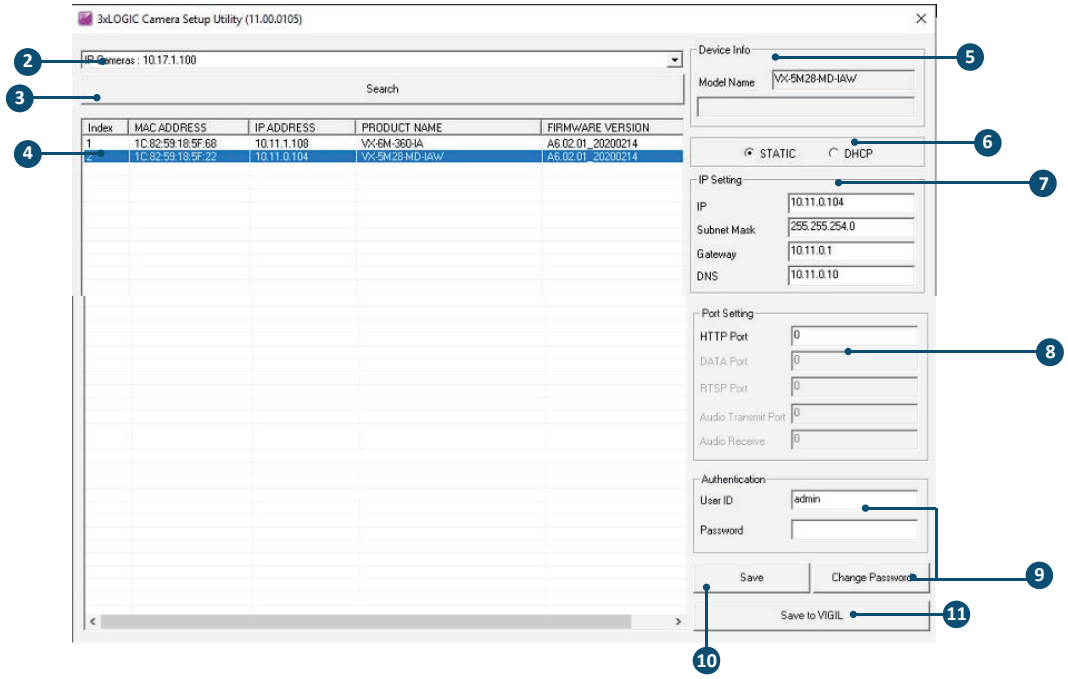
Select Instant Replay from the Live Edge Controls to open the last 5 minutes of footage from the camera or perform a playback search to review a custom timerange of playback. A Playback viewer featuring the requested footage will deploy.

1. Playback Left-Edge controls include Export Video or Stills, Stream Mode Selection and Screen Record, etc...
2. Right-Edge Controls include more tools such as Smart Search, Audio and Zoom Controls and Image Control.
3. Stream information and standard playback controls are accessible at the bottom of the frame.
4. Located next to the scrub bar, footage markers and export tools can be used to quickly narrow down and export portions of interest within larger video clips



For further details on reviewing and exporting playback and other advanced features such as audio recording and two-way audio talk, POS Data OSD and more, please visist www.3xlogic.com and consult the product documentation library for VIGIL Client-related support documentation. Visit 3xLOGIC University at https://www.3xlogic.com/training for training and education.

Setup Tools -
3xLOGIC Camera Setup Utility-B



Standard usage of the 3xLOGIC Camera Setup Utility-B is detailed on this page.

1 Run the 3xLOGIC Camera Setup Utility-B

i. Download and install the latest version of the utility at www.3xlogic.com.
ii. Navigate to Start > Programs > VIGIL>Utilities and launch the VIGIL Firewall Utility. Create a firewall rule for **VISIXIPSetup-B Utility** if one has not already been created.
iii. Launch VIGIL Server, navigate to Settings > Cameras.
iv. Select the desired camera channel from the treeview.
v. Open Network Camera Settings and set the Type to **VISIX-IP-B.**
vi. Click the **Detect Camera** button. The utility will now launch.

2 Click on Network Adaptor selection Menu (NIC) after the utility deploys.

3 Select the NIC associated with your cameras then click on the Search button. Allow the utility time to identify cameras.

4 Select the desired camera.

5 The information of the selected camera will be shown in Device Info.

6 Select the network type.

7 Input IP settings information when the network type is set to STATIC. Always click Save after changing IP Settings.

Default TCP/IP information

- IP: 192.168.1.80
- Subnet Mask: 255.255.255.0
- Gateway: 192.168.1.1
- DNS : 168.126.63.1

8 Change the port as necessary when the network type is set to STATIC.

A 'Port Forwarding' has to be set for external access to the camera.

Refer to the manual of the network hub for 'Port Forwarding' settings.

An additional change of HTTPS, RTSP port can be done at Web Viewer >Admin page.

9 Change Password.

Default ID / PW : admin / admin

The default user ID and password must be changed for security reasons. Video will not stream from the camera until the default admin password is changed. Enter the default credentials (admin / admin) and click Change Password. A pop-up will deploy. Enter and confirm a unique password, then click OK to complete the change.

The ID and PW will be set to defaults when a 'factory reset' is performed on the camera.

10 Make sure to click on 'Save' button to save changed values.

An Apply message will deploy when the settings are applied normally, or an error message will deploy if the settings fail to apply. This step saves settings to the camera itself

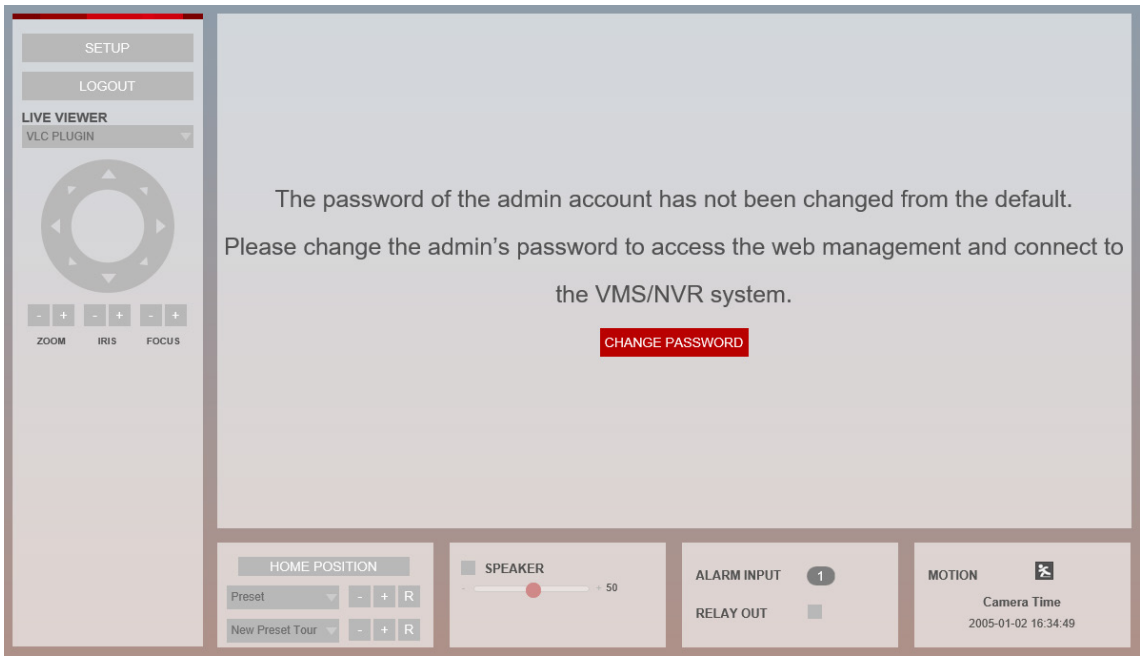
11 After applying the new camera settings, click Save to VIGIL

This step saves the camera to the VIGIL Server software The camera will occupy the camera channel you selected in Step 1 (iv) of this section.

* Rebooting or Resetting the Camera to Factory Settings

If a factory reset is required, login to the camera's browser interface (enter IP into a browser URL bar and login to the camera) then navigate to Setup > System > Factory Reset. To perform a basic camera retart, Navigate to Setup > System > Restart.

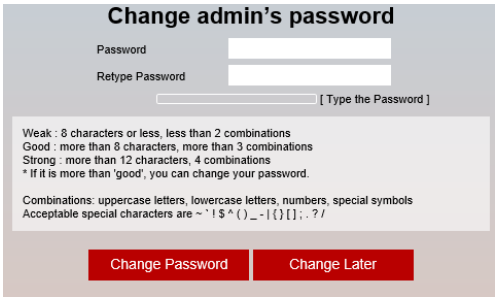
Browser Interface -
Main Screen - Change Password



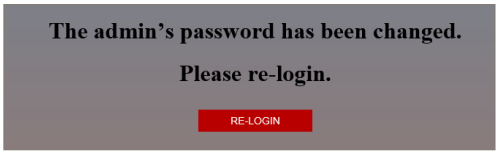
Password change is required at initial connection when the camera is new from factory or when a factory reset has been performed. The password can be reset from the 3xLOGIC Camera Setup Utility-B, however, if the cameras browser UI is opened first, the user will be prompted on login to change the password. See below for instructions:

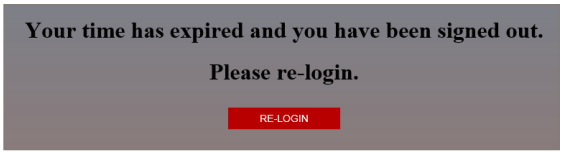
1. If the default password for the camera has not previously changed, no camera image will be visible and the Setup button will be disabled.

2. Change the password by filling in a new password (password guidelines provided. See screenshot below) and clicking the CHANGE PASSWORD button.

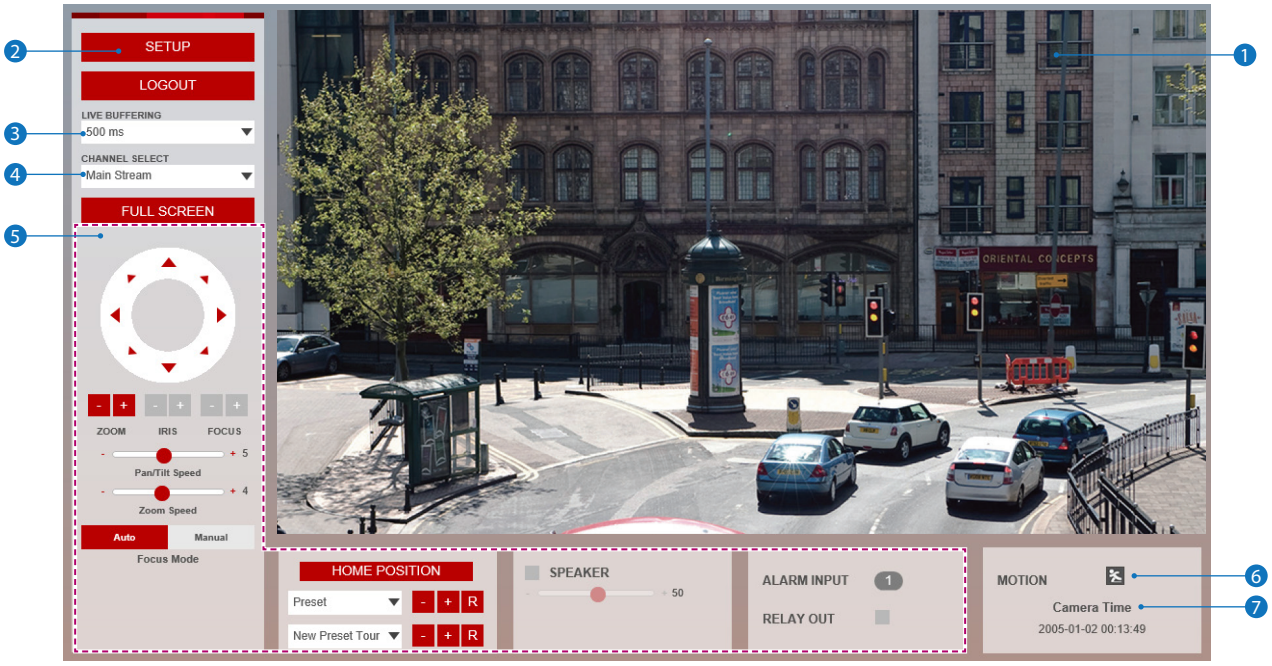


3. After changing the password, you must re-login. If no input is recieved, a time expiry pop-up will deploy also asking for a re-login. In either case, click RE-LOGIN and enter the credentials to log back into the camera's interface.





Browser Interface - Main Screen



※ Web viewer is optimized with Internet Explorer 10 or newer versions and Firefox.
※ If VLC is not installed or VLC plugin is not supported (Chrome), Live buffering and Channel select menus will be changed to a Live Viewer menu. If HTML5(MJPEG) is selected on Live Viewer menu, then video can be checked.

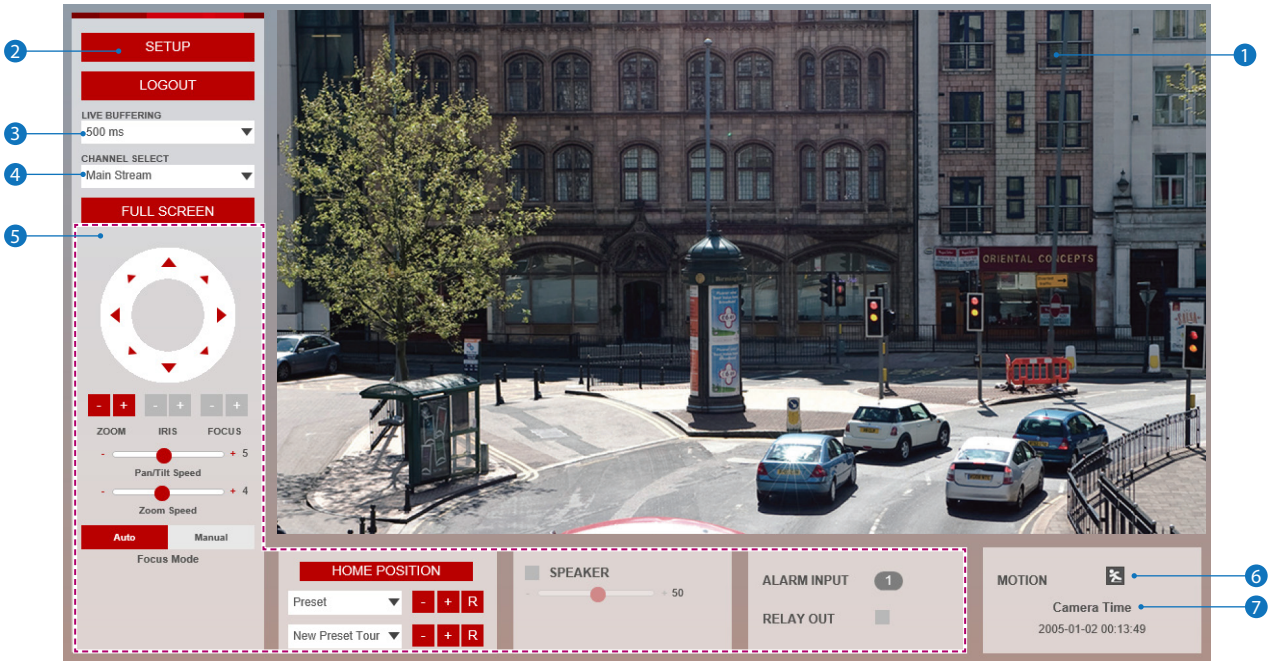
1 Live video display.

2 Setup button. Click it to open the Setup page to setup and configure settings for the camera like Video, Network, Events, System Settings,etc... See 'Setup' section for more details.

3 Confiigure the Live buffering value to increase or decrease the buffering delay. The longer the delay, the smoother the image will remain during periods of high network activity or CPU usage.

4 Channel Select button. Select one of the camera's available streams to display it in the live viewer
※ Refer to 'Setup > Video & Audio > Video' to cuztomize the Video Stream settings.

Browser Interface -
Main Screen - Cont'd



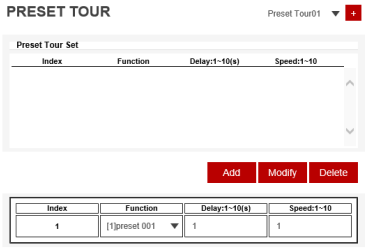
5 PTZ, Presets, Tours, Speaker / Audio Controls and Alarm controls are model-dependent and will only be accessible on applicable models.

PTZ Control - If using a PTZ-enabled model camera, PTZ motion can be controlled from this interface.

Home Position - Click this button to reset the PTZ to default home position.

Preset - You can add PTZ presets by clicking the + button when the camera is at the desired PTZ location. Up to 255 presets can be saved.

Preset Tour - You can add a Preset Tour by clicking the + button and and adding the desired PTZ presets you would like the camera to tour. Up to 10 Tours can be saved. Delay and Speed can be set from 1 to 10.



Speaker Control - Enable/Disable the Audio stream received from the camera. The system volume can also be set. Audio controls are only available for applicable models.

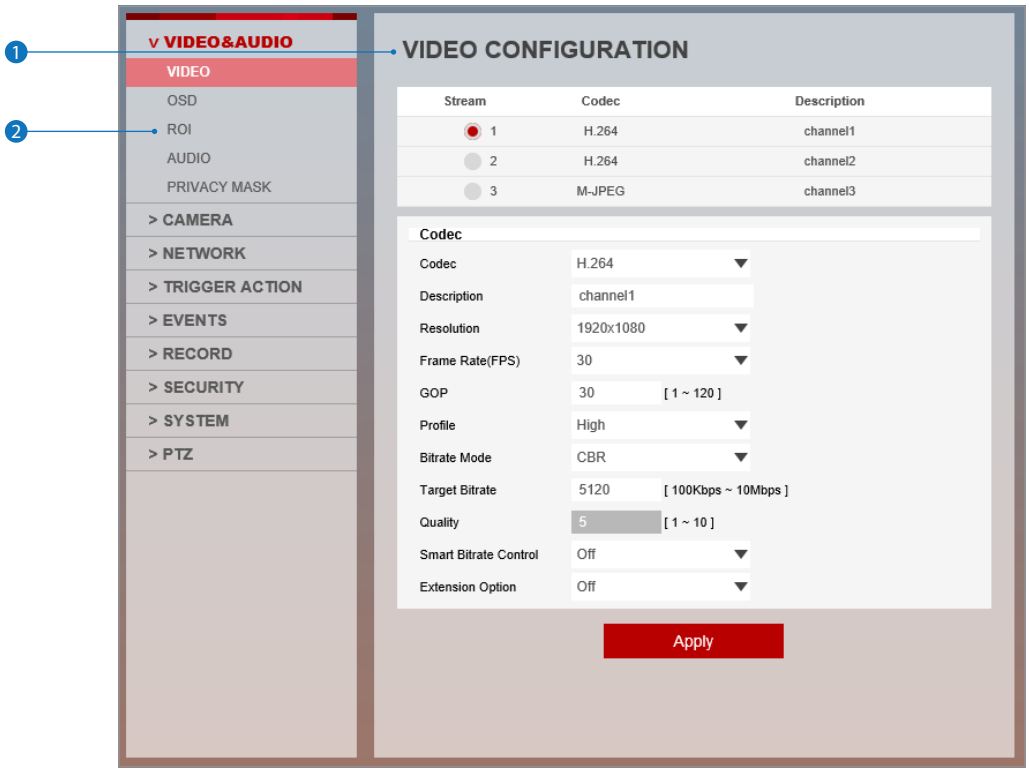
Alarm Input - Alarm input indicator. If an alarm is triggered, the corresponding input's color will be changed to red from gray.

Relay Out - Using these controls, you can read the status of the Relay Out switch and also set or reset it manually.

6 **Motion -**This indicator shows the Motion event status.
Event Alert Icon ( ) appears if 'Motion Detection' is activated. Motion record is enabled by default.

7 **Camera Time -** Display the camera system's time.

Setup - Video & Audio Setup
Video Configuration



1 **Details Pane-** When an item is selected from the menu, related items and settings will be visible in the Details pane.

2 **Setup Menu -** A list of configurable settings and information. Click a menu link to view related content. Some settings are model-dependent and will only be accessible for applicable models.

- **Video&Audio**

  [VIDEO, OSD, ROI, AUDIO, PRIVACY MASK]
- **Camera**

  [PROFILE, IMAGE ADJUSTMENT, EXPOSURE, DAY&NIGHT, BACKLIGHT, WHITE BALANCE, IMAGE, VIDEO]
- **Network**

  [STATUS, NETWORK SETTING, AUTO IP, ONVIF, UPNP, DDNS, FTP, SMTP, SNMP, RTSP INFORMATION]
- **Trigger Action**

  [ACTION RULES, IMAGE TRANSFER, RELAY OUT]
- **Events**

  [EVENT RULES, SCHEDULE, MOTION, TEMPERATURE, ALARM]
- **Record**

  [MANAGEMENT, RECORD LIST, STORAGE]
- **VCA**

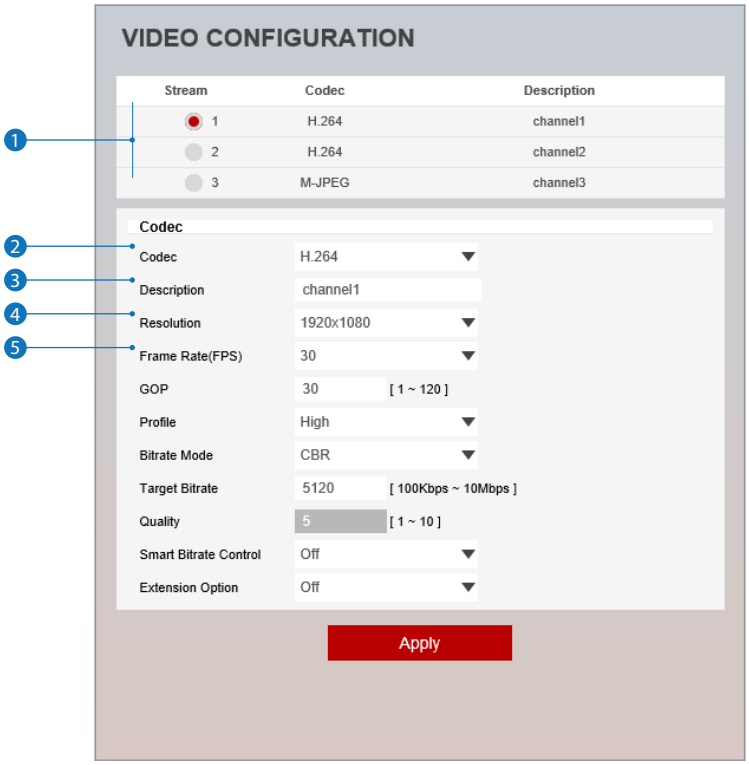
  [Enable]
- **Security**

  [IP ADDRESS FILTER, RTSP AUTHENTICATION, IEEE 802.1x, HTTPS, CERTIFICATES, SERVICE]
- **System**

  [INFORMATION, DIAGNOSTICS, FIRMWARE UPDATE, DATE&TIME, DST, USER MANAGEMENT, LOG, LANGUAGE, FACTORY RESET, RESTART, OPEN SOURCE]
- **PTZ**

  [PTZ SETTINGS]

Setup - Video & Audio Setup
Video Configuration



1 **Live Video Channel Setup -** Each available video stream can be configured to a variety of settings using any combination of the available codecs and resolutions. The amount of available streams will differ depending on the camera model. Toggle the button for the stream you would like to edit.

▩ Camera performance should always be considered when configuring multiple channels / streams. Each active channel will cause additional strain on the camera's CPU. H.265 (HEVC) codec with higher bitrates may cause the unstable live streaming in the browser interface as well as within VIGIL Server / Client on older systems. See SB20008 for best practices on mitigating performance issues on older sytems.

2 **Codec -** Choose the video codec. Subcategories will be changed automatically depending on the selected codec.

3 **Description -** Input a description for the selected channel / stream. Max. 30 alpha-numeric characters as well as special charcaters (including space) can be used.

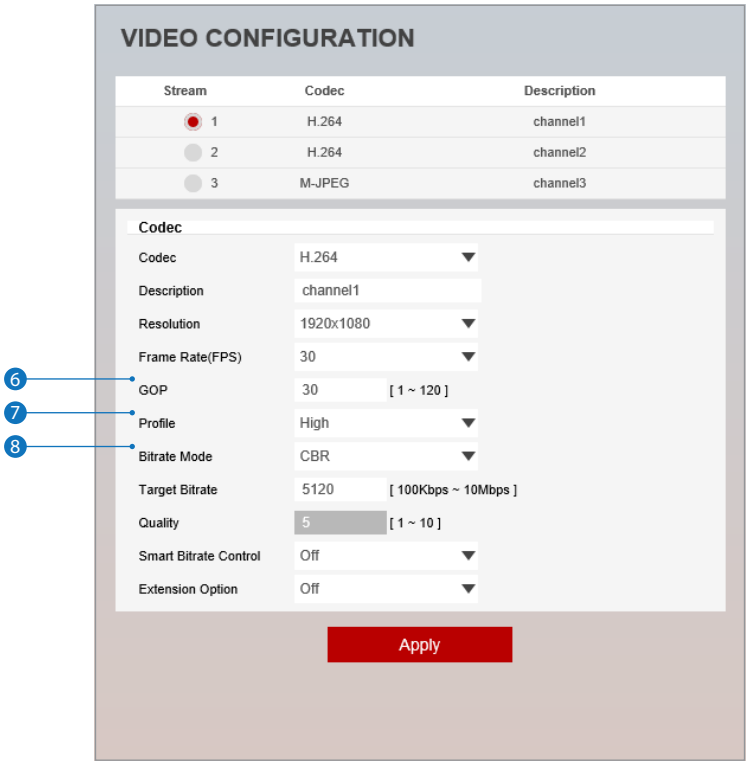
4 **Resolution -** Select the video resolution.
▩ Available resolutions will depend on the selected codec as well as the camera model's lens.

Example of common resolutions are listed below.

Format	QSXGA	3.7m	3m	1080p/i	720p/i	SVGA	VGA	4CIF	CIF
NTSC	2592 x 1944	2560 x 1440	2304 x 1296	1920x1080	1280x720	800x600	640x480	704x576 704x480	352x288 252x240
PAL	2592 x 1944	2560 x 1440	2304 x 1296	1920x1080	1280x720	800x600	640x480	704x576 704x480	352x288 252x240

5 **Frame Rate -** Select the maximum Frame Rate (FPS).

Setup - Video & Audio Setup
Video Configuration



6 **GOP(Group of Pictures) Size -** Set up the number of p-frames (frames which contain only changed information based on the basic key frame or I-frame) in a GOP.

GOP(Group of Pictures) Size is..

I-frame and P-frame can be created for MPEG4, H.264 and H.265 (HEVC) video compression. I-frame(key-frame) is essentilly the whole image with all captured data for one specific scene of video. A P-frame is a frame based on the I-frame, but contains only data that is changed from the original I-frame. A GOP is made up of one I-frame and its corresponding several P-frames. To improve video quality, set the number of P-frames lower and to decrease image size, set the number of P-frames to a larger value.

7 **Profile -** The profile defines the subset of bit stream features in H.264, H.265 (HEVC) stream, including color reproduction and additional video compression.

H.264 : Main, High / H.265 (HEVC) : Main

Main - An intermediate profile with a medium compression ratio. The main profile supports I-frames, P-frames, and B-frames.

High - A complex profile with a high compression ratio. The high profile supports I-frames, P-frames, and B-frames.

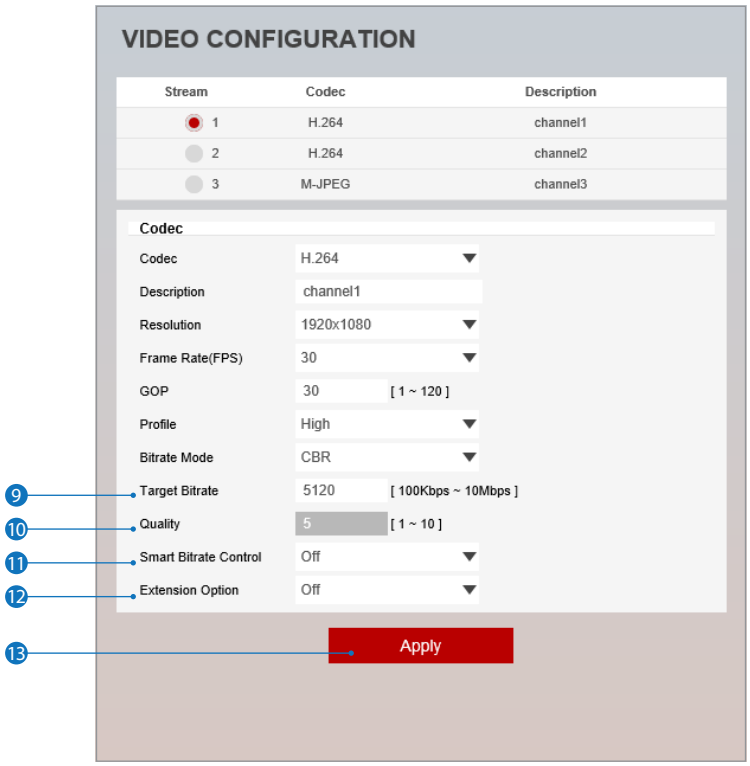
8 **Bitrate Mode -** Select the bit rate control scheme of video compression to CBR (Constant Bit Rate) or VBR (Variable Bit Rate).

CBR - To guarantee the designated constant bit rate, the quality of video is controlled in this mode. Therefore, the quality of video is likely to varying when network traffic is changing.

VBR - To guarantee the designated quality, the bit rate of video stream is changed in this mode. Therefore, the frame rate of video is likely to varying when network traffic is changing.

This category will only appear for some codecs.

Setup - Video & Audio Setup
Video Configuration



9 **Target Bitrate -** If Bitrate Control is set to CBR, you can set the Target Bitrate.

10 **Quality -** For VBR control mode, The target Quality of video can be setup (1 is low quality, 10 is higher quality)

11 **Smart Stream -** Off / Smart Stream RC / Smart Stream ETC (ATF). Available options will depend on the camera model. See the corresponding setup section for Smart.RC and Smart.ACF for more information.

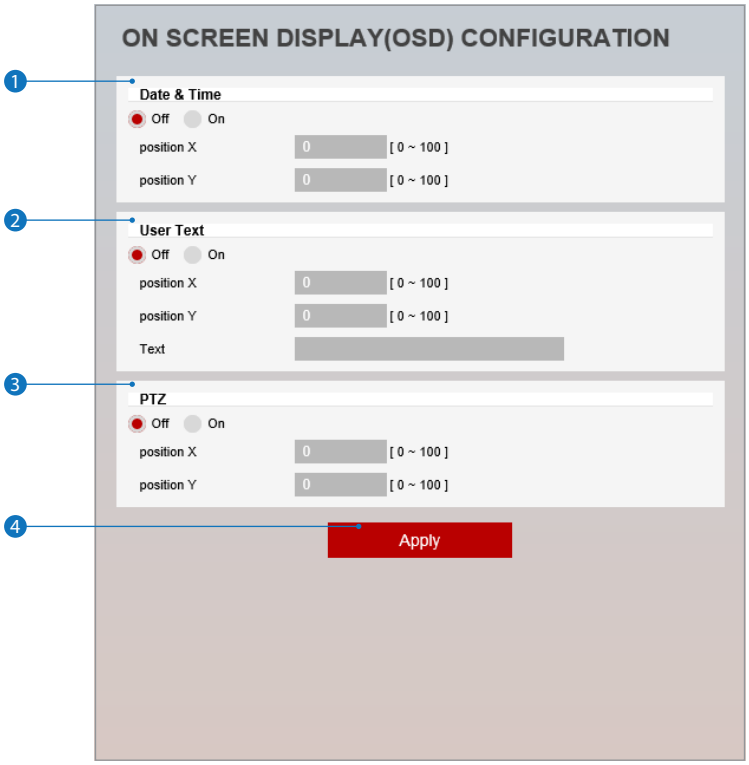
12 **Extension Option**

Off - Turn off the Extension Option.

SVC-T On - The H.264, H.265 (HEVC) SVC (Scalable Video Coding) Extension is a video compression algorithm that enables effective and efficient transmission of video files over low bandwidth networks.

13 Click **Apply** to save new settings.

Setup - Video & Audio Setup
OSD Configuration



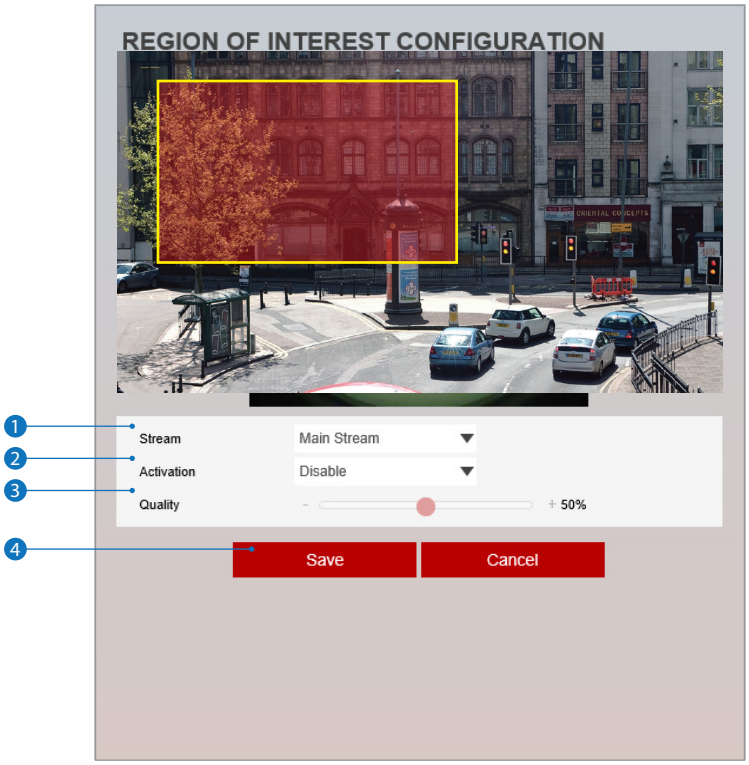
1. **Date / Time -** Display the current time.

2. **User Text -** Output the TEXT entered by the user. Supports a maximum of 30 characters.

3. **PTZ -** Display PTZ information. This field is only visible on models with hardwired PTZ functionality.

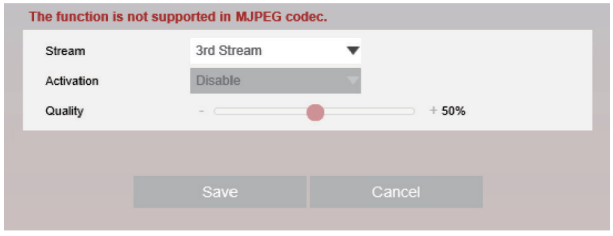
4. Click **Apply** to save the above settings.

Setup - Video & Audio Setup
Region of Interest Configuration



The Region of interest (ROI) function increases picture quality for an indicated area while mainting lower quality for the rest of the image to help maintain bandwidth usage.

1. **Stream -** Select the Stream to apply the ROI to.
   - ROI currently supports only H.264, H.265 (HEVC).
   - The function is not supported iwith the MJPEG codec.

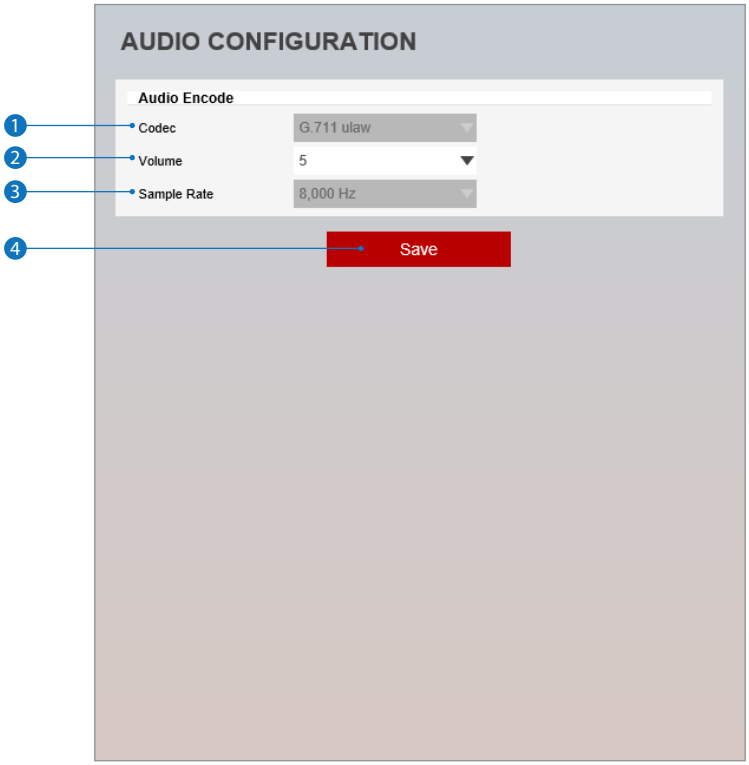


2. **Activation -** The Region of interest can be enabled or disabled here.

3. **Quality -** Set the quality of the set ROI area.

4. Click **Save** to save the current settings.
   - Click 'Cancel' to return to the previous setting.

Setup - Video & Audio Setup
Audio Configuration



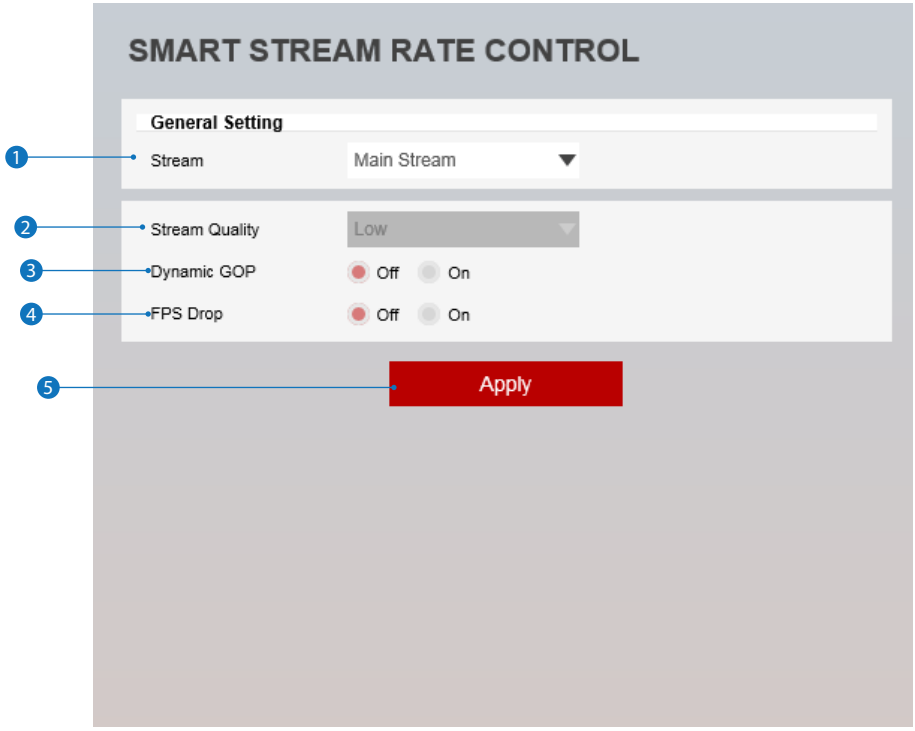
1. **Codec -** Select the Audio Codec.
   - Currently only G.71 is supported.

2. **Volume -** Set the Audio Volume from 0 to 10.

3. **Sample Rate -** Select the Audio Sample Rate.
   - Currently only 8000 Hz is supported.

4. Click **Save** to save settings changes.

Setup - Video & Audio Setup -
Smart Stream RC Configuration



All menus for this configuration page can be activated by enabling *Smart RC* in the *Smart Stream* menu on the *Video Configuration* page.

1 **Stream** - Select the stream to apply Smart RC to. Main-stream and sub-stream are available.

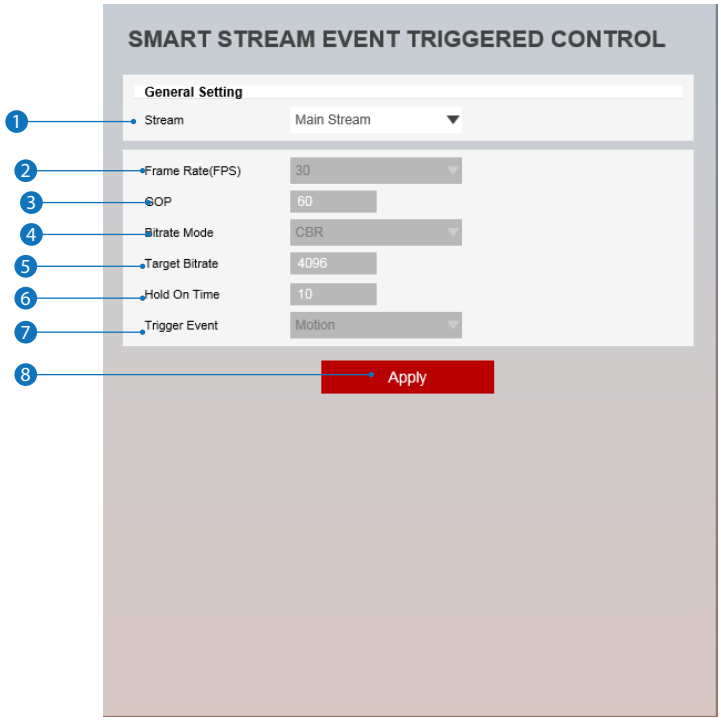
2 **Stream Quality** - Select the desired stream quality. Low, Medium, High and Extreme are available.

3 **Dynamic GOP** - Select dynamic GOP to enable dynamic p-frame limits for GOP.

4 **FPS Drop** - Select to enable FPS drops when necessary meet image quality selection.

5 Click **Apply** to save new settings.

Setup - Video & Audio Setup -
Smart Stream ETC (ACF) Configuration



Smart ETC allows specific stream settings to be used when a specific event occurs. ETC settings can be configured on this page. All menus are activated by enabling *Smart Stream ETC* in the *Smart Stream* menu located on the the *Video Configuration* page.

1 **Frame Rate** - Set the frame rate value to change to when the trigger event occurs.

2 **GOP** - Set the GOP value (P-frame limit) to change to when the event trigger occurs.

3 **Bitrate Mode** - Set to the birate mode to change to when the event trigger occurs.

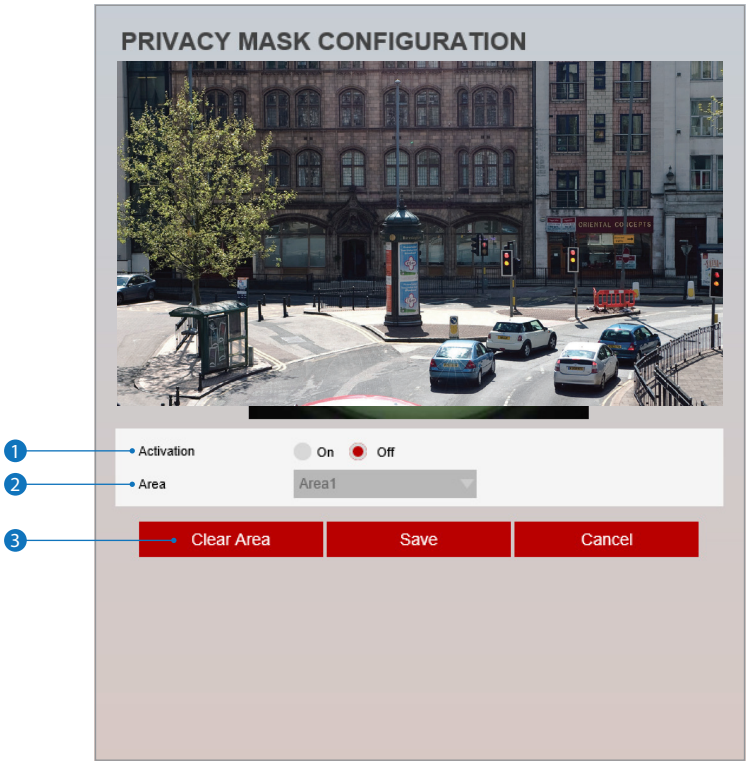
4 **Target Bitrate** - Set the Target Bitrate to be set when the event trigger occurs.

5 **Hold on time** - Set the amount of time to keep the Smart Stream ETC settings active when a event trigger occurs (5-60 seconds).

6 **Trigger Event** - Select the event that will trigger Smart ETC settings to activate. Motion / Alarm Input / Motion and Alarm Input event triggers are available.

7 Click **Apply** to save new settings.

Setup - Video & Audio Setup
Privacy Mask Configuration



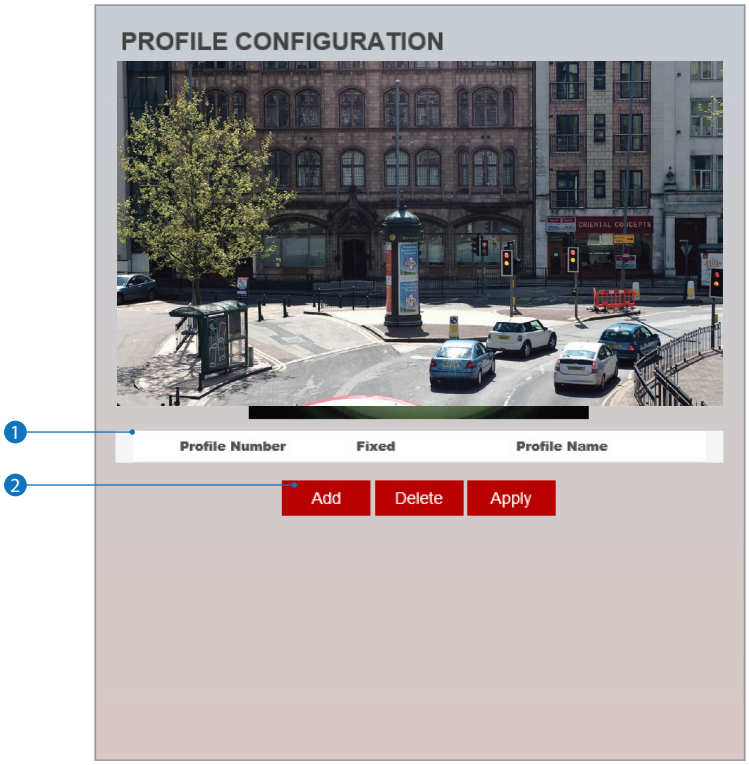
Use this function to mask areas that you want to hide on screen to protect privacy.

1 **Activation -** The Privacy mask function can be enabled or disabled here.

2 **Area -** Select an area designation (Area1 ~ Area16) and draw the privacy area.

3 Click **Save** to save the current settings.
- Click 'Cancel' to return to the previous setting.
- Click 'Clear Area' to delete the selected Area.

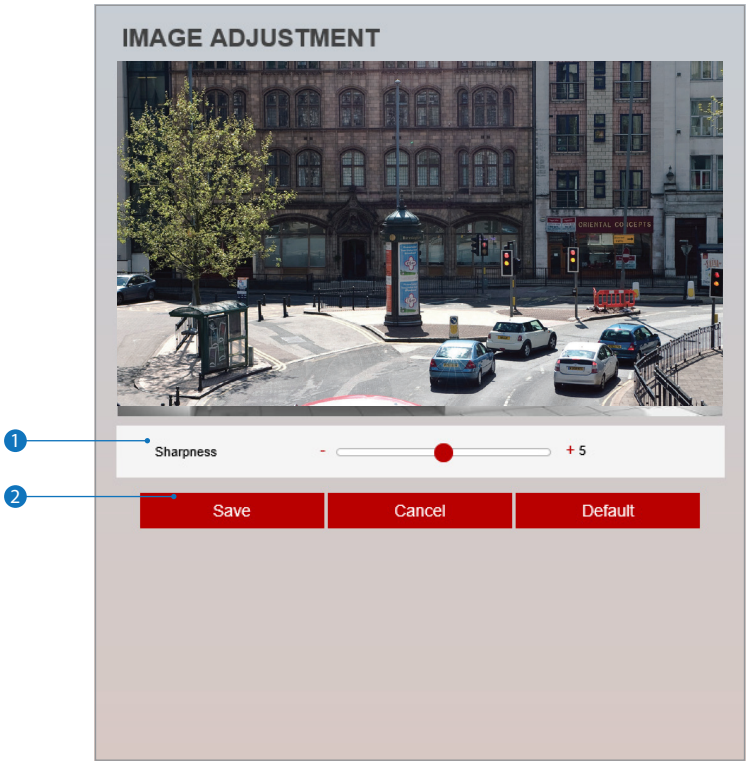
Setup - Camera Setup
Profile Configuration



1 **Profile List -** Displays information about available camera settings profiles.

2 Click ‘Add’ to add a new profile using the current camera settings.
- Click ‘Delete' to delete selected item from the profile list.
- Click ‘Apply' to apply setings from the selected profile.

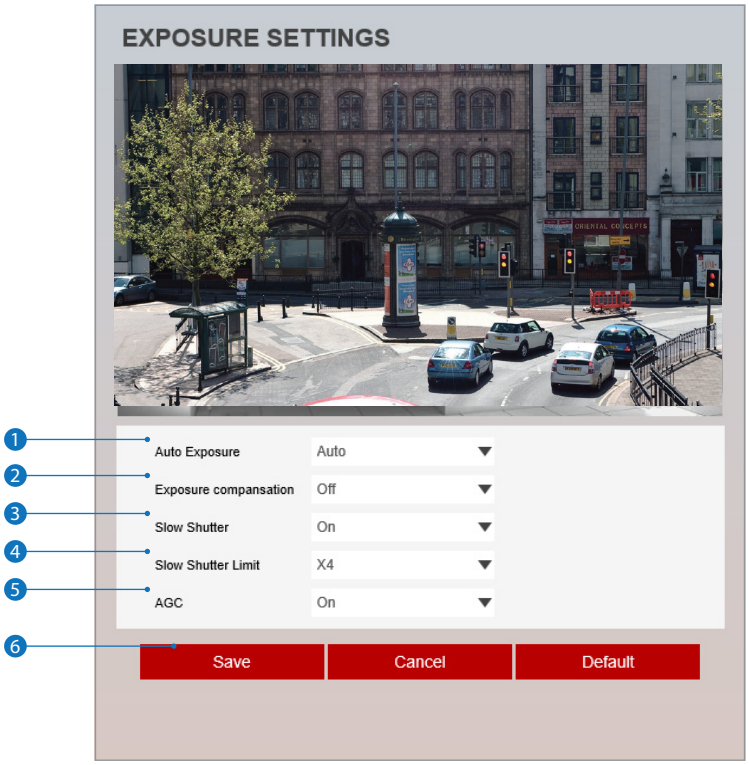
Camera Image Adjustment



1 **Sharpness -** Using this control, sharpness of image can be adjusted to meet your preference.

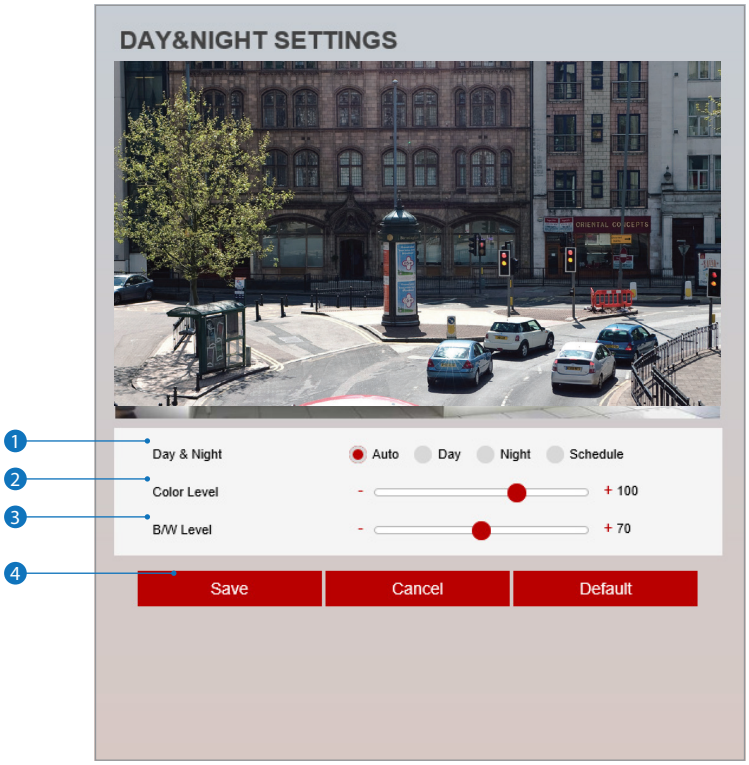
2 Click **Save** to save the current settings.
- Click 'Cancel' to return to the previous settings.
- Click 'Default' to return settings to the factory defaults.

Setup - Camera Setup
Camera Exposure Settings



1. **Auto Exposure (Auto) -** Automatic exposure(AE) automatically sets the aperture or shutter speed, based on the external lighting conditions for the photo. Auto / Manual / Shutter Priority / Iris Priority / Bright Mode. Available shutter speeds may vary depending on the camera model.
   - **[Manual]**
     - Shutter Speed : 1/8, 1/15, 1/30, 1/60, 1/120, 1/125, 1/700, 1/1000, 1/1600, 1/2500, 1/5000, 1/7000, 1/10000, 1/30000
     - Iris : 0 (Close) ~ 20 (Open)
     - Gain : 0 step ~ 10 step
   - **[Shutter]**
     - Shutter Speed : 1/8, 1/15, 1/30, 1/60, 1/120, 1/125, 1/700, 1/1000, 1/1600, 1/2500, 1/5000, 1/7000, 1/10000, 1/30000
   - **[Iris]**
     - Iris : 0 (Close) ~ 20 (Open)
   - **[Bright]**
     - Bright : Adjust the brightness. 0 (dark) ~ 20 (bright)
2. **Exposure Compensation -** Using this function helps to improve image quality by compensating for exposure. Select On / Off.
3. **Slow Shutter -** Slow shutter can be set to On / Off.
4. **Slow Shutter Limit -** Set the slow shutter limit. x2 / x4 are available.
5. **AGC -** Enable this function to enable Automatic Gain Control.
6. Click **Save** to save the current settings.
   - Click 'Cancel' to return to the previous settings.
   - Click 'Default' to return settings to the factory defaults.

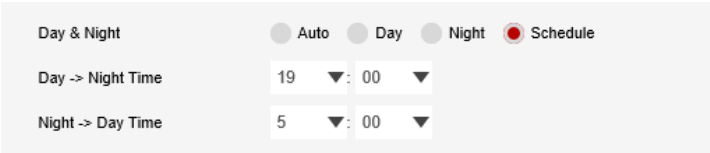
Setup - Camera Setup
Camera Day & Night Settings



1 **Day & Night**
- **Auto:** In this mode, the IR cut filter is applied automatically depending on the light conditions of the environment.
- **Day:** In this mode, the IR cut filter is applied to the image sensor at all times.
  Thus, the sensitivity will be reduced in dark light conditions but better color reproduction performance is obtained.
- **Night:** In this mode, the IR cut filter on the image sensor isalwyas disabled
  The sensitivity will be enhanced in dark light conditions but the image is black and white.
- **Schedule:** In this mode, Day / Night mode is converted in accordance with the scheduled time.

Schedule

- Day > Night Time / Night > Day Time : If it is set to schedule mode, Set the time that Day / Night mode switches.

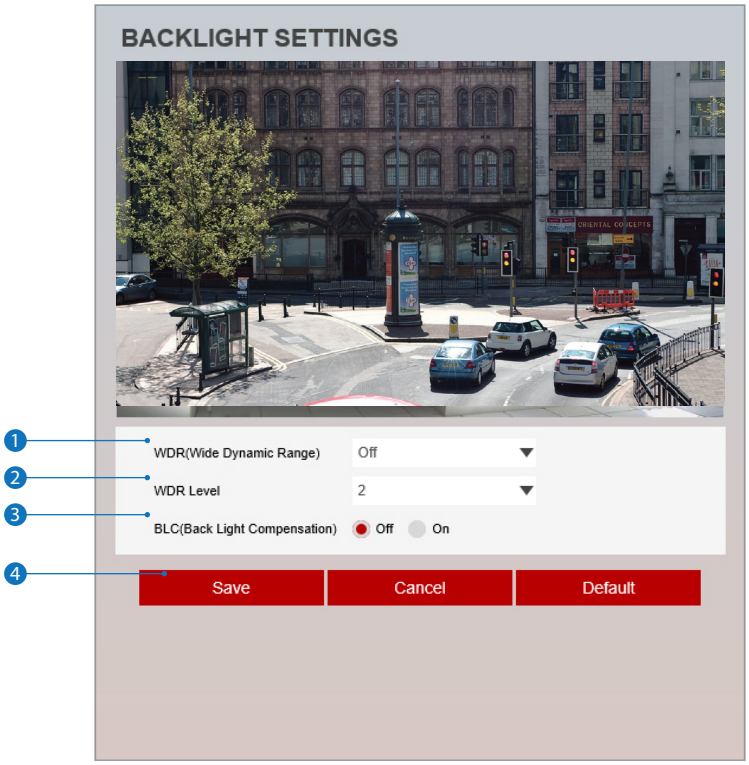


2 **Color Level -** Set the color level threshold for switching Night mode into Day mode when Day & Night mode is set to Auto.

3 **B / W Level -** Set the Black and White Level threshold for switching change Day mode into Night mode when Day & Night mode is set to Auto.

4 Click **Save** to save the current settings.
- Click 'Cancel' to return to the previous settings.
- Click 'Default' to return settings to the factory defaults.

Camera Backlight Settings



This is a feature used for problematic light conditions where the contrast from light to dark areas is very high.

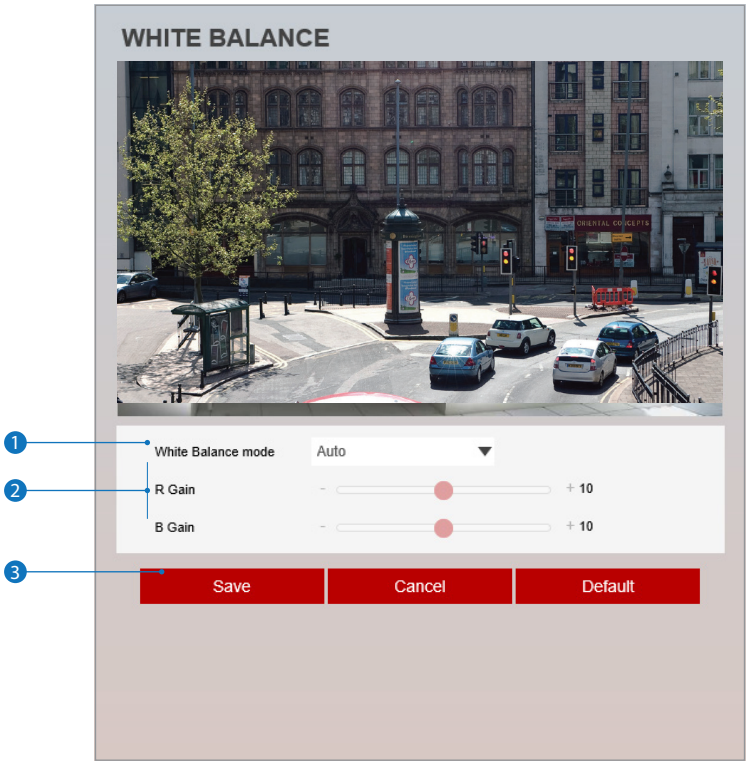
1. **WDR (Wide Dynamic Range) -** The WDR function can be enabled or disabled.

2. **WDR Level -** Set the WDR level.

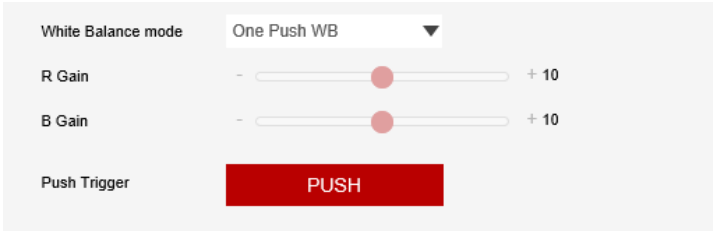
3. **BLC (Back Light Compensation) -** The BLC function can only be set when WDR is off.

4. Click Save to save the current settings.
   - Click 'Cancel' to return to the previous settings.
   - Click 'Default' to return settings to the factory defaults.

Setup - Camera Setup
Camera White Balance



1 **Activation -** White Balance can be enabled or disabled here. Auto / Indoor / Outdoor / One Push WB / Manual modes available.
- **One Push WB :** Clicking the PUSH button saves the white balance value at the current state.

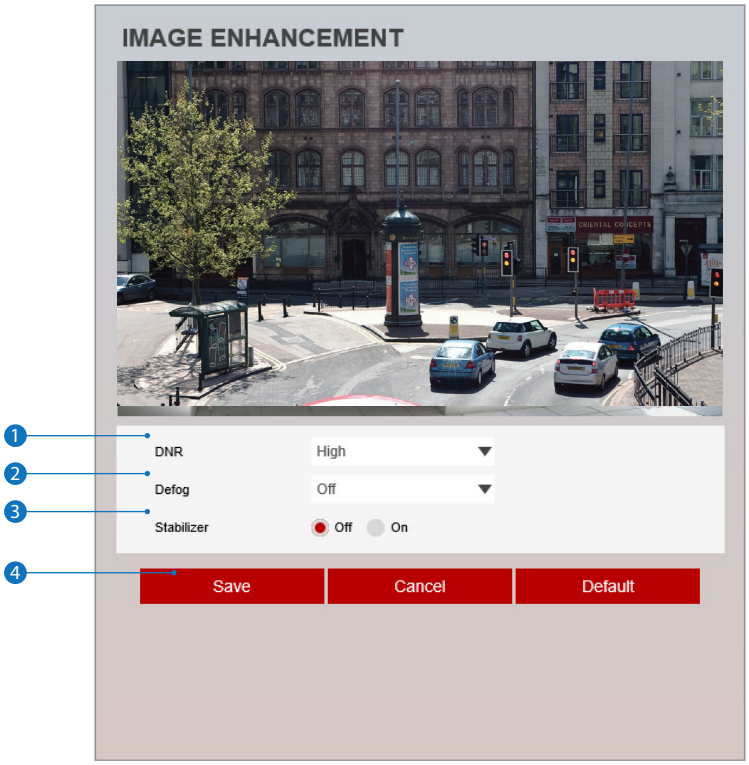


2 **White Balance Mode -** Select White Balance depending on the lighting conditions.

3 **RB Gain -** The R/B gain can be set only when the White Balance Mode is set to Manual.

4 Click **Save** to save the current settings.
- Click 'Cancel' to return to the previous settings.
- Click 'Default' to return settings to the factory defaults.

Setup - Camera Setup
Camera Image Enhancement



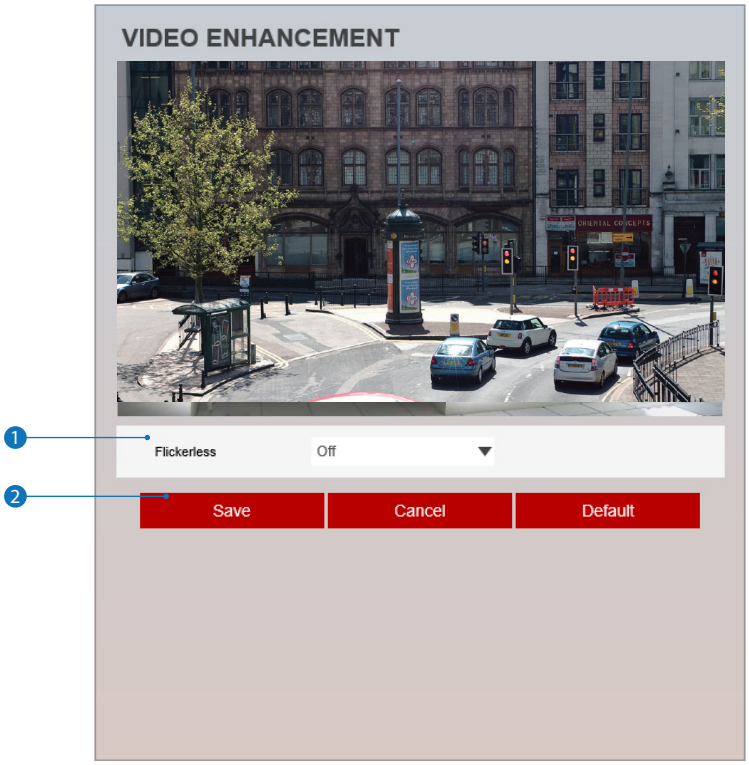
1. **DNR -** DNR function can be enabled to suppress noise and retain good video quality in low light conditions. Off / Middle / Low / High / Auto modes are available.

2. **Defog -** Fog compensation can be set. Off / Middle / Low / High

3. **Stabilizer -** The Stabilizer function can be enabled or disabled.

4. Click **Save** to save the current settings.
   - Click 'Cancel' to return to the previous settings.
   - Click 'Default' to return settings to the factory defaults.

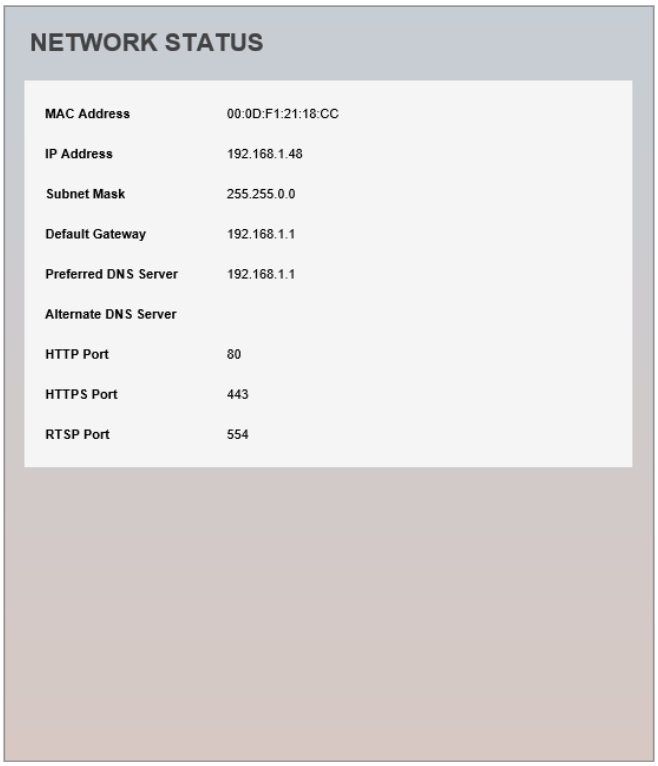
Setup - Camera Setup
Video Enhancement



1 **Flickerless -** Enable to enhance images experiencing flickering.

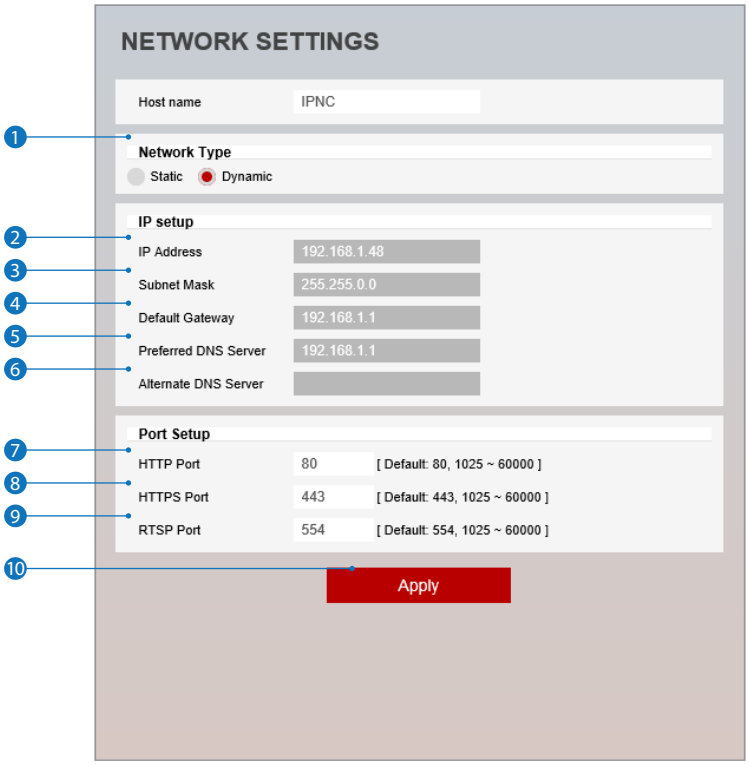
2 Click **Save** to save the current settings.
- Click 'Cancel' to return to the previous settings.
- Click 'Default' to return settings to the factory defaults.

Network Status



This menu will show Network information for the camera. Settings are for reference only and cannot be configured from this screen. 3xLOGIc recommends edting camera IP and network info from the 3xLOGIC Camera Setup Utility-B or from Network Settings (detailed in the next page of this guide).

Setup - Network Setup
Network Settings



1 **Network Type -** Define network IP address type from the Static Mode for the fixed IP or the Dynamic Mode by the dynamic IP address. Dynamic is the default mode used on 3xLOGIC VISIX Cameras.
If you select Static Mode, you must fill out IP Address, Subnet Mask, Gateway, DNS Server and all ports.
If you select the Dynamic Mode, the IP address will be allocated automatically by DHCP equipment.
If you click the Apply button to update changes, the system will be re-booted.
In this case, you have to reconnect to the camera using the new IP address.

2 **IP Address -** Define the IP address. The address consists of four numbers separated by dots and the range of each number is from 0 to 255.

3 **Subnet Mask -** Define the Subnet Mask. Format is same as the IP address.

4 **Default Gateway -** Default the Gateway IP Address. Format is same as the IP address.

5 **Preferred DNS Server -** Define the DNS server IP address. Format is same as the IP address.

6 **Alternate DNS Server -** Define the Secondary DNS server IP address. Format is same as the IP address.

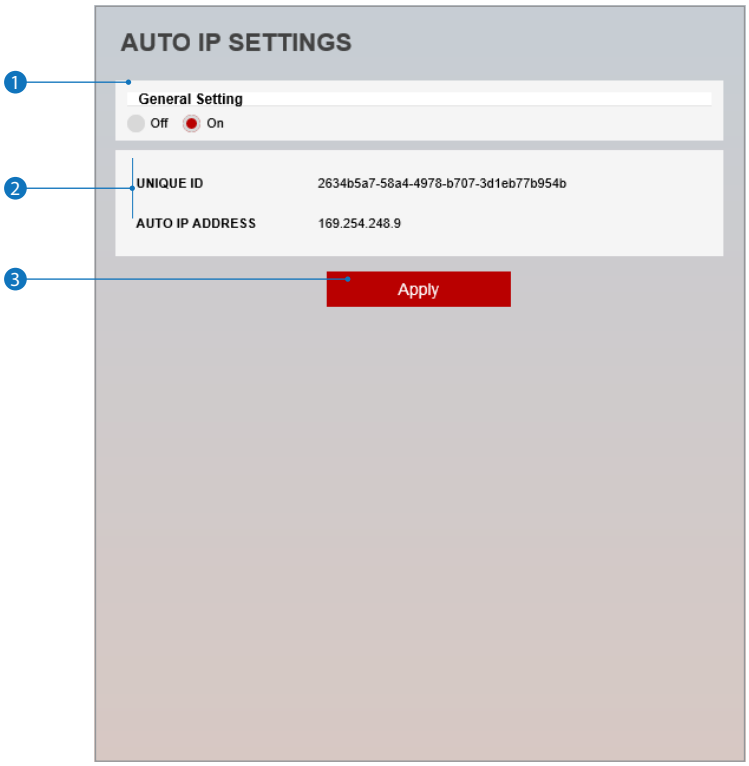
7 **HTTP Port -** The HTTP port can be set to 80 which is default or in the 1025 to 60000 range.

8 **HTTPS Port -** The HTTPS port can be set to 443 which is default or in the 1025 to 60000 range.

9 **RTSP Port -** The RTSP port can be set to 554 which is default or in the 1025 to 60000 range.

10 Click **Apply** to save new settings. If you click the Apply button to update changes, the system will be re-booted.
If you have changed the IP address, you will have to reconnect to the camera using the new IP and re-login. If the camera is added to VIGIL Server, VIGIL Server will have to be updated with the new camera network and IP settings.

Setup - Network Setup
Auto IP Settings

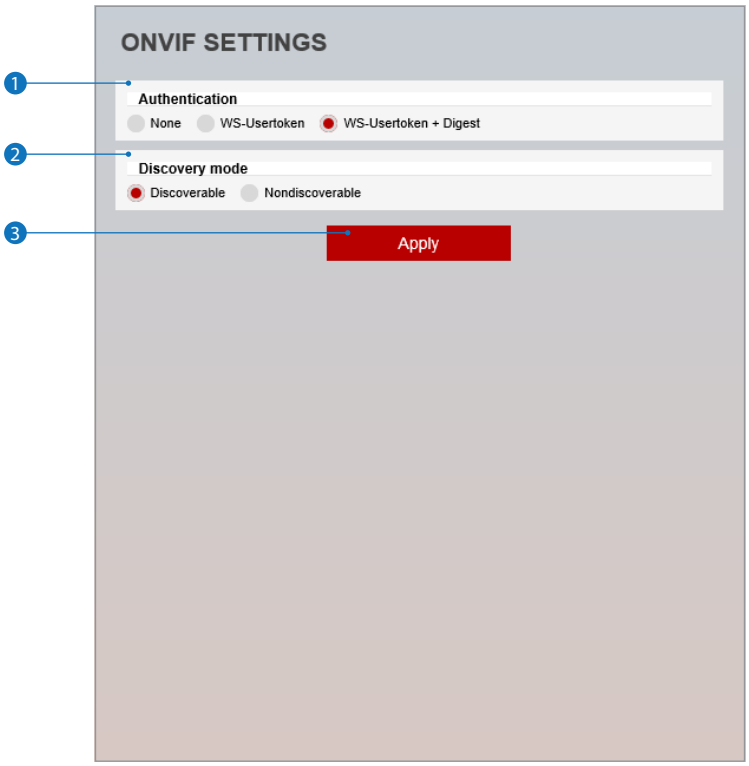


1 **General Setting -** The Auto IP Setting function can be enabled or disabled here.

2 **Auto IP Settings Information -** Displays the unique id or Auto IP address.

3 Click **Apply** to save new settings.

Setup - Network Setup
ONVIF Settings

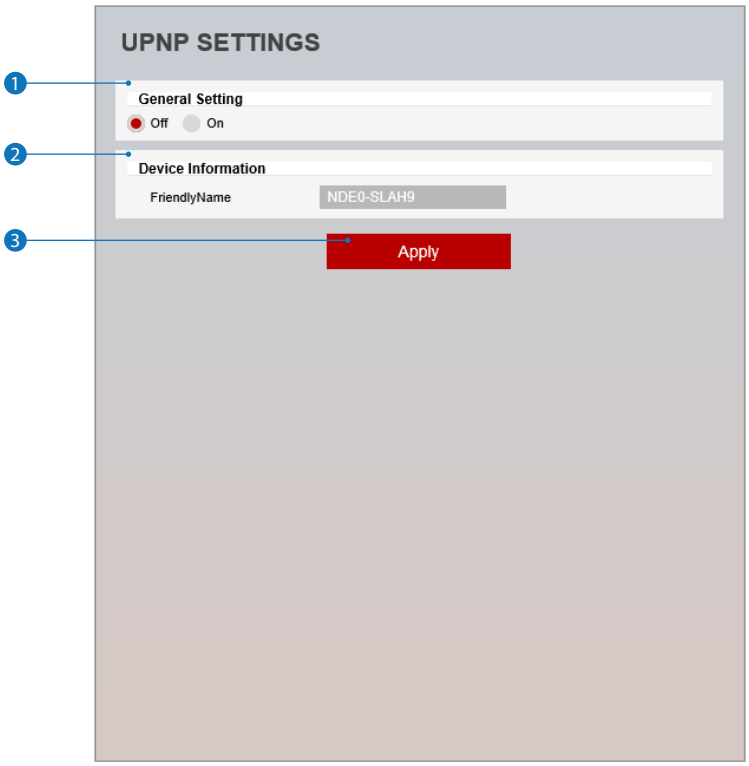


1 **Authentication**
None: Allows access without ONVIF authentication.
WS - Usertoken: Allows access with WS-User Token of ONVIF authentication.
WS - Usertoken + Digest: Allows access with WS-User Token and Digest of ONVIF authentication.

2 **Discovery Mode -** The ONVIF discovery function can be enabled or disabled.

3 Click **Apply** to save new settings.

Setup - Network Setup
UPNP Settings



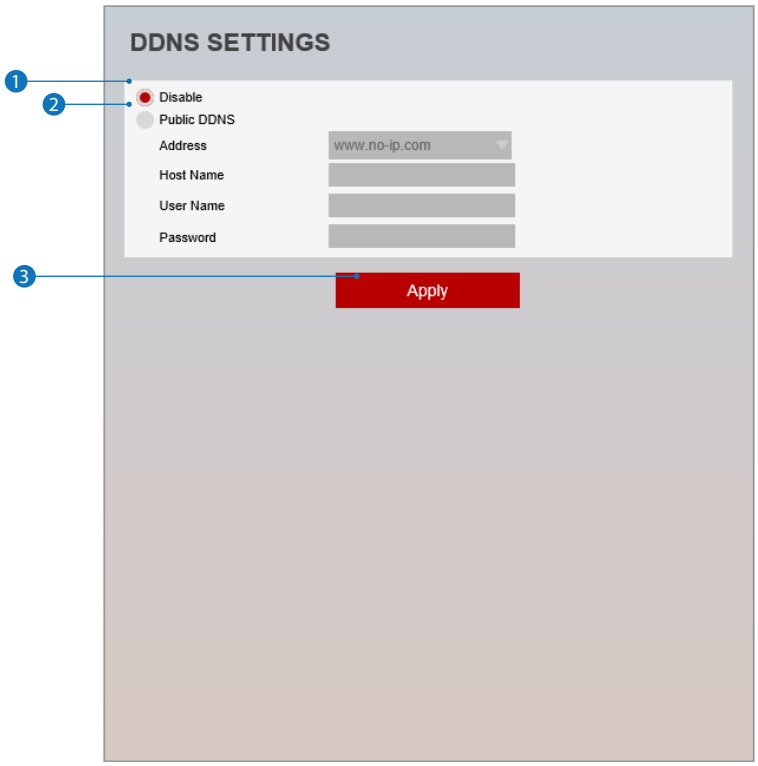
1. **General Setting -** UPNP function can be enabled or disabled here.

2. **Friendly Name -** Define the an easily identifable name for the device. Supports a maximum of 30 characters and special characters.

- (/ ~ ! $^ ( ) { } [ ] ; ,) cannot be used.
- ('@', '.', '_' ,'-', ' ') can be used.

3. Click **Apply** to save new settings.

Setup - Network Setup
DDNS Settings



1 **DDNS Disable -** When selected, the DDNS service is disabled

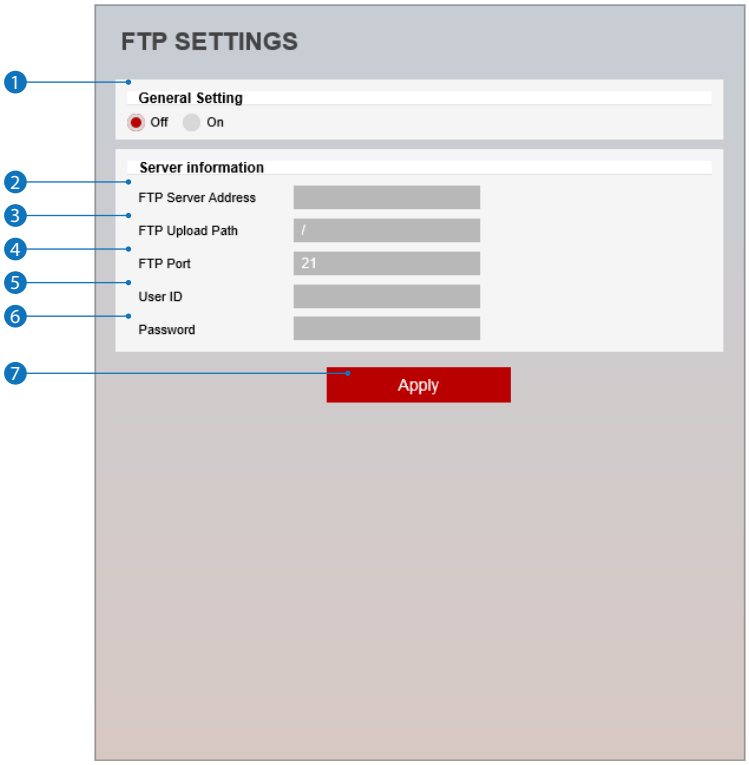
2 **Public DDNS -** To use a public DDNS service, select an approved site address listed in the list. After filling out the *Host Name* of the site, setup is completed by entering *User Name* and *Password* registered in that DDNS site.

DDNS Provider	Site Address
DynDNS	www.dyndns.com
No-IP	www.no-ip.com

- If you setup DDNS properly, the IP address of your camera will be updated automatically whenever the IP address is changed or the system is rebooted.
- If IP updating to DDNS site is failed, the camera will keep retrying in 1min. intervals.

3 Click **Apply** to save new settings.

Setup - Network Setup
FTP Settings



To transfer / save images to a relevant site via FTP, then FTP must be enabled and configured here.

1. **General Setting -** FTP function can be enabled or disabled here.

2. **FTP Server Address -** Define FTP Server IP Address. If IP Address form is incorrect, a Message box will deploy warning the user.

3. **FTP Upload Path -** Define a path on the FTP server to store images. For the path name, English Alphabets, numbers and special characters (/ ~ !@ $ ^ ( ) _ - { } [ ] ; ,) can be used.

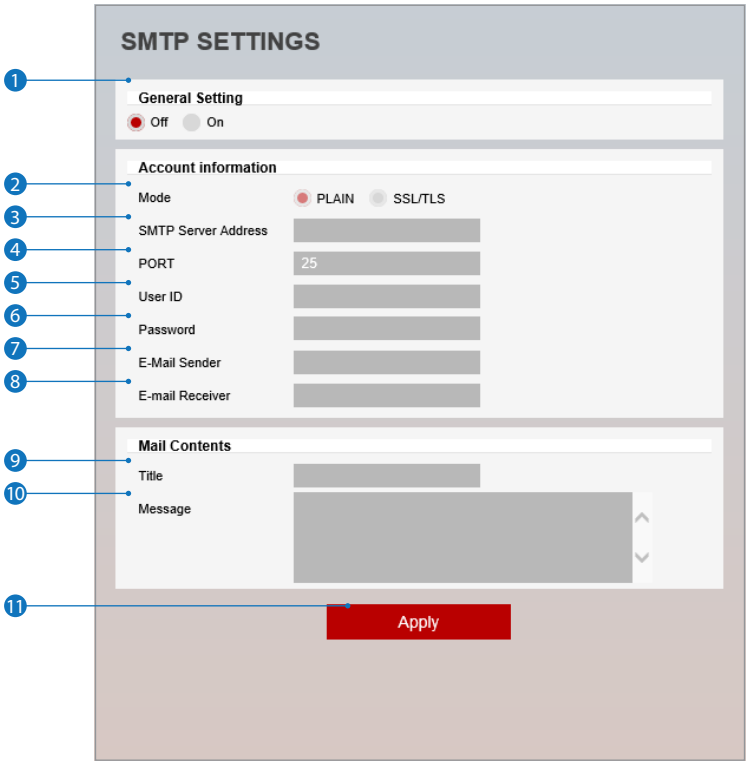
4. **FTP Port -** Define the FTP Server Port. If no port is available, it is impossible to access the FTP Server from the camera.

5. **User ID -** Enter a User ID to access the FTP Server. Fill out using the correct User ID registered in the FTP Server.

6. **Password -** Enter a Password to access to the FTP Server. Fill out using the correct Password registered in the FTP Server.

7. Click **Apply** to save new settings.
   - Refer the above screen image for the example.

Setup - Network Setup
SMTP Settings



To send / save the imagevia Email, SMTP needs to be setup.

1 **General Setting -** SMTP function can be enabled or disabled here.

2 **Mode -** Select Security mode of SMTP from Plain or SSL / TLS. After checking account setup of your SMTP Server, select the correct option.

3 **SMTP Server Address -** Define the SMTP Server Address. If the IP Address form is incorrect, the user will be prompted with a warning.

4 **Port -** Define the Port used in the Plain or SSL / TLS security mode.

5 **User ID -** Ener the User ID to access the SMTP Server. Fill out using the correct User ID registered with your email provider.

6 **Password -** Enter the Password to access the SMTP Server. Fill out using the correct Password registered with your email provider.

7 **E-Mail Sender -** Define the e-mail address of the E-Mail Sender. It will be displayed as the sender when the camera sends an E-mail.

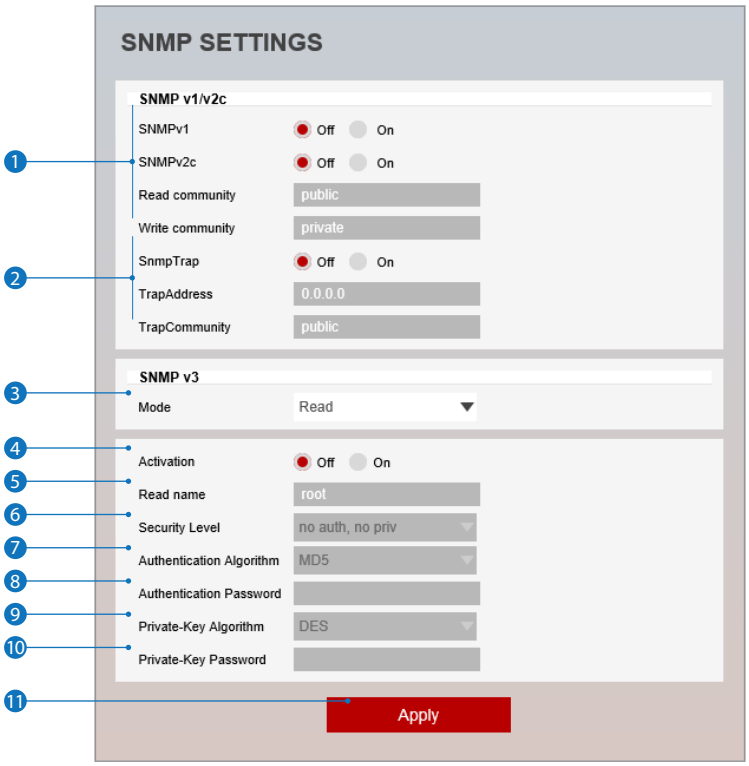
8 **E-Mail Receiver -** Define the e-mail address of E-Mail Receiver. It will be displayed as the Receiver when the camera sends an E-mail.

9 **Title -** Define the title of the E-Mail when the camera sends an E-mail.
- The title of the Email is limited to 40 characters including the spaces.

10 **Message -** Define the contents of E-Mail when camera sends an E-mail. The message of the Email is limited to 40 characters including the spaces.

11 Click **Apply** to save new settings.

Setup - Network Setup
SNMP Settings



SNMP is for advanced users only.

1 **SNMPv1/SNMPv2 -** Select the SNMPv1/SNMPv2 option and type the names of Read community and Write community.

SNMP trap can be used to check periodically for operational thresholds or failures that are defined in the MIB.

2 **SNMP Trap -** SNMP trap can be enabled or disabled.

SNMPv3 contains cryptographic security, a higher security level, which allows you to set the Authentication password and the Encryption password.

3 **Mode -** Select either Read or Read/Write mode.

4 **Activation -** Disable or activate the selected mode.

5 **Read/Write name -** Define Read name and Write name.

6 **Security Level -** Select one of no auth, no priv/auth , no priv/auth, priv

7 **Authentication Algorithm -** Select MD5 or SHA as the authentication method.

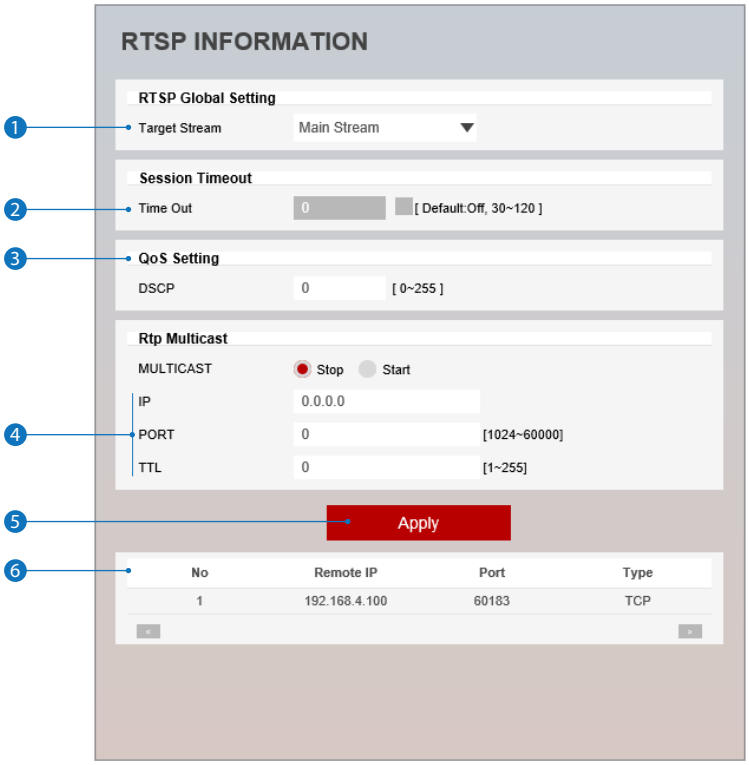
8 **Authentication Password -** The Authentication Password is an encrypted password used for authentication. A minimum of 8 digits required and a maximum of up to 30 digits allowed.

9 **Private-Key Algorithm -** Select DES or AES as the encryption algorithm.

10 **Private-Key Password -** Information protection password is a private encrypted password. A minimum of 8 digits required and a maximum of up to 30 digits allowed.

11 Click **Apply** to save new settings.

Setup - Network Setup
RTSP Information



1 **Target Stream -** Select the stream you want to configure

2 **Time out -** Set the RTSP time out.
- The session is disconnected after the specified time out.

3 **QoS Setting -** Set the quality of service to ensure data transfer performance.

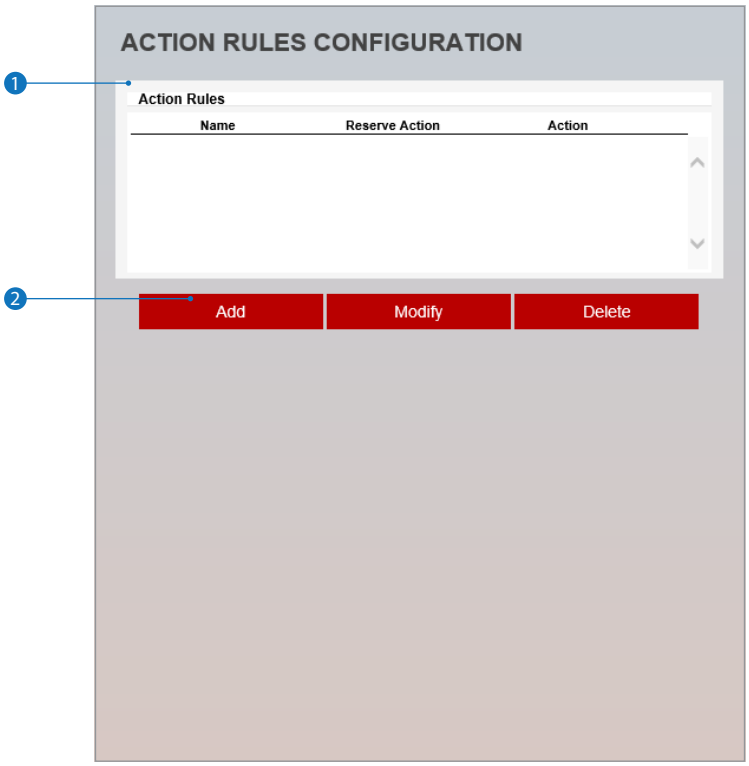
4 **RTP Multicast -** Check RTP Multicast Start/Stop. To activate RTP Multicast.
1. Click “On” button.
2. Enter accessible RTP Multicast IP, port for video stream control, RTP packet TTL.
3. Click “Apply” button.

- It is possible to set each RTP Multicast for Stream 1-3 (main, sub, third).

5 Click **Apply** to save new settings.
- Click this button between configruing the different channels or data will not be saved for the preceding channel settings.

6 RTSP Connection information.

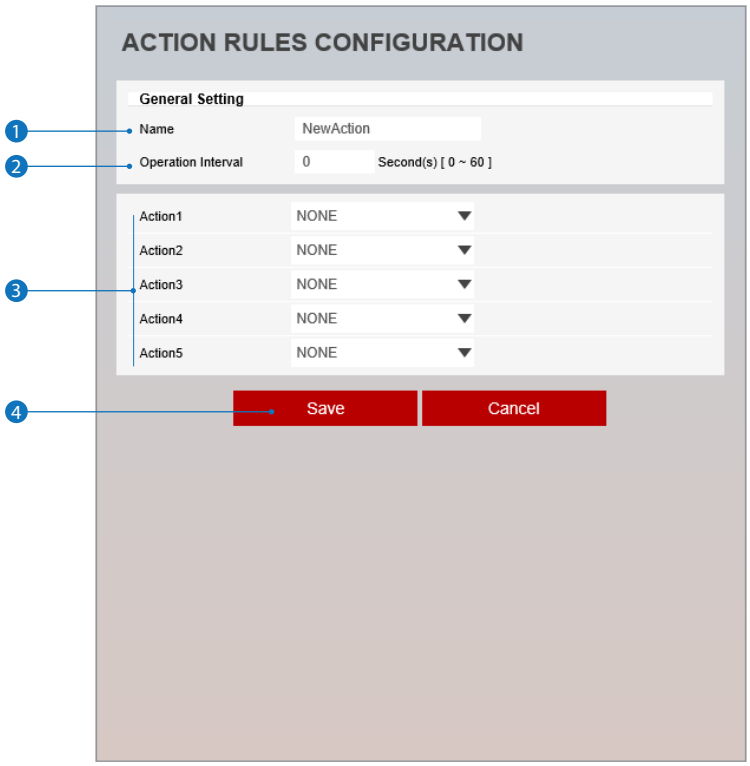
Setup - Trigger Action Setup
Action Rules Configuration



1 **Action rules List -** This indicates the custom action rule information added to the Action rules list.

2 Click **Add** to add custom action rules.
- Click 'Modify' to modify a selected item from the action rules list.
- Click 'Delete' to delete a selected item from the action rules list.

Setup - Trigger Action Setup
Action Rules Add / Modify



1. **Name -** Name the action rule.
   - Input text must be between 315 charcaters.

2. **Operation Interval -** Select the interval to maintain event mode.

3. **Action1 ~ Action5 -** Select the action to take if the event occurs. Recording, FTP Recipient, SMTP Recipient and Relay Out are available.
4. Click **Save** to save the current settings.
   - Click 'Cancel' to return to the previous menu.

Setup - Trigger Action Setup
Image Transfer Configuration

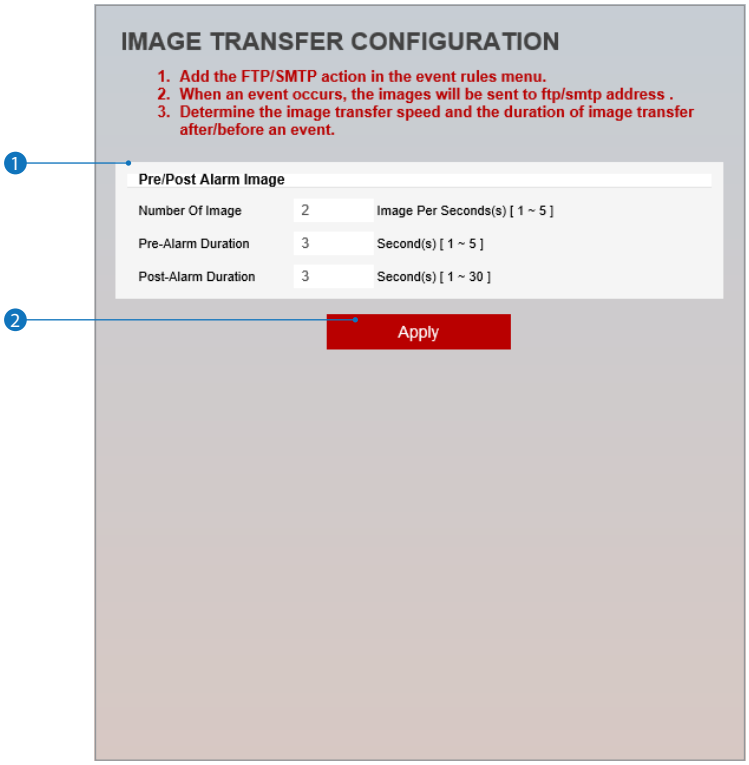


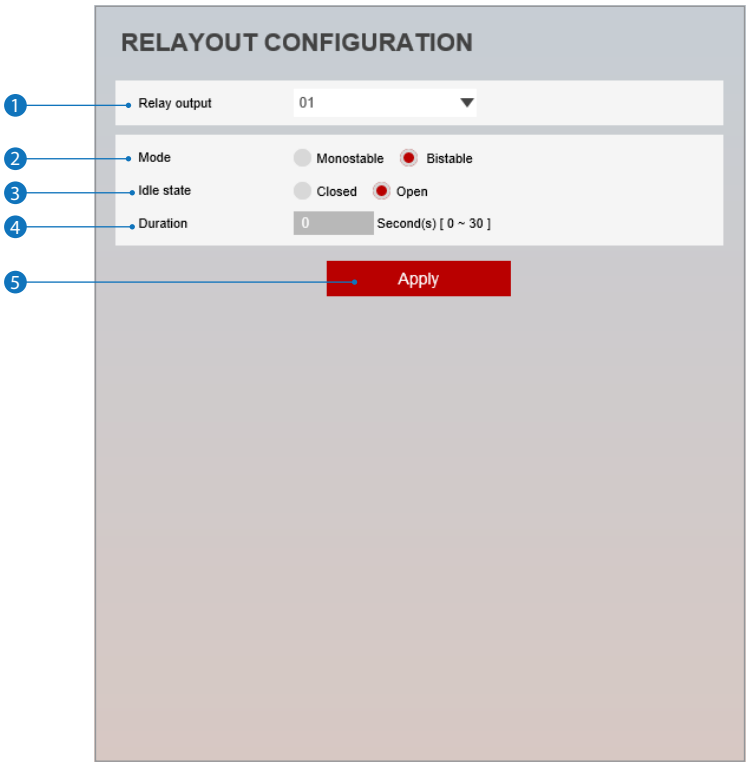
Image Transfer on Event can only be configured when FTP or SMTP is selected as an event rule action.

1 **Pre / Post Alarm Image -** Image Transfer due to event is configured by setting the Image transfer rate and Pre / Post alarm duration.

	Descriptions
Number of Image	Define Number of image transferred per second.
Pre-alarm Duration	Define duration of image transfer before an event.
Post-alarm Duration	Define duration of image transfer after an event.

2 Click **Apply** to save new settings.

Setup - Trigger Action Setup
Relay Out Configuration



1 **Relay Output -** Select the Relay output to trigger.
- The number of relay outputs depends on the camera model.

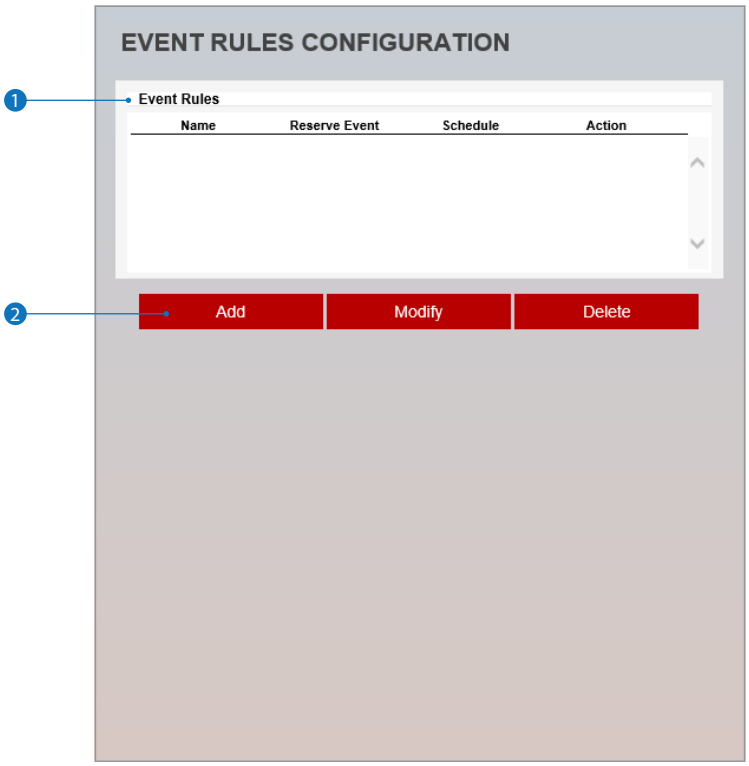
2 **Mode -** Select monostable / bistable for relay mode.

3 **Idle State -** Select whether the contact is normally opened or is closed.

4 **Duration -** The relay will remain trigger during the set time.
- If bistable mode is selected, this function is activated

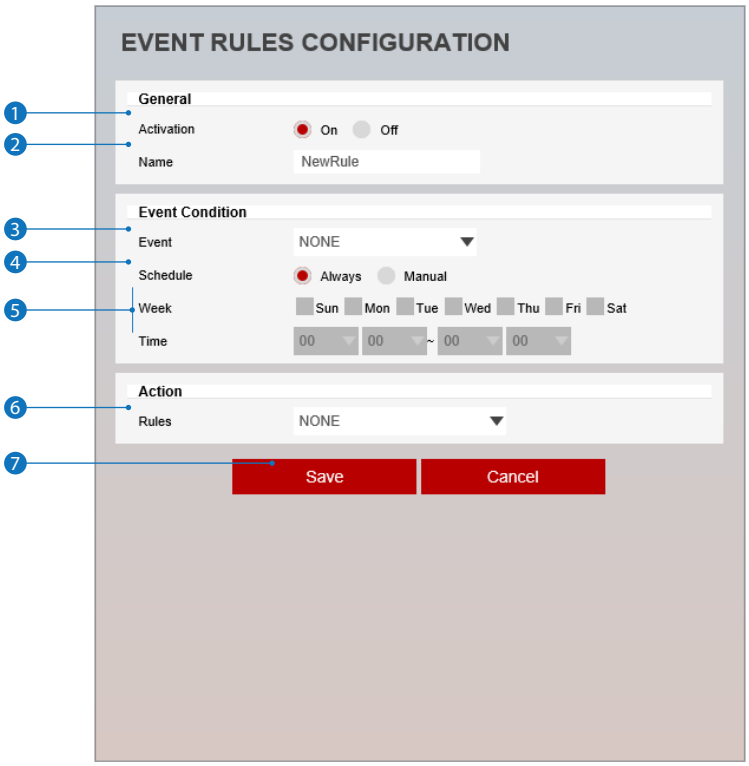
5 Click **Apply** to save the new settings.

Setup - Event Setup
Event Rules Configuration



1. **Event Rules List -** Event Rule information for added event rules is displayed here.
2. Click 'Add' to add custom event rules.
   - Click 'Modify' to modify a selected item from the event rules list.
   - Click 'Delete' to delete a selected item from the event rules list.

Setup - Event Setup
Event Rules Configuration



1 **Activation -** The Event Rules function can be enabled or disabled here.

2 **Name -** Define the Event rule name.

3 **Event -** Select the event type. Types include motion detection, network disconnection, illegal login detected, temperature critical, schedule,sensor detection.

- Click 'Cancel' to return to the previous setting.

4 **Schedule -** Set an activation time. The event can only occur during the stated time period. Always / Manual Time available. Manual mode will require the custom creation of a schedule.

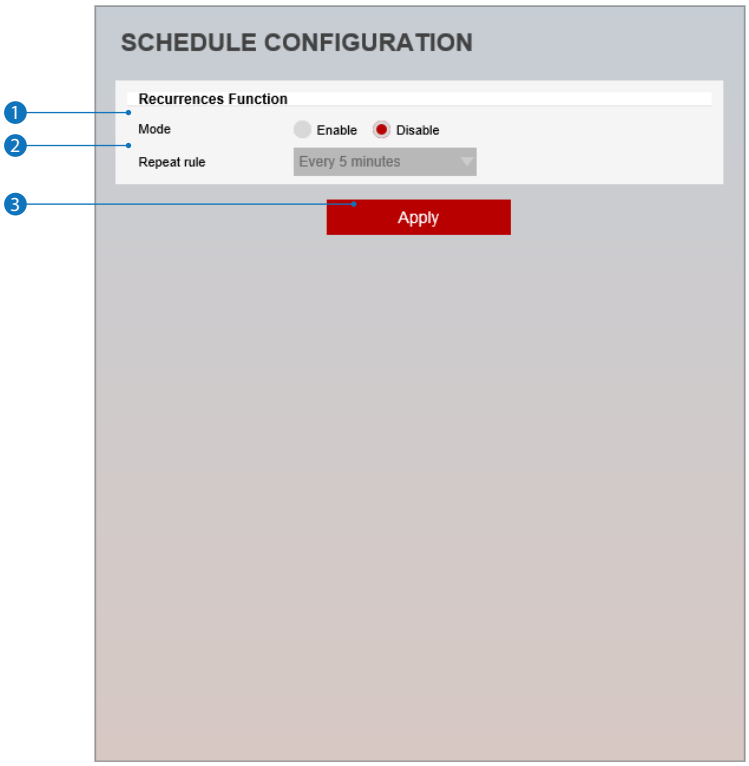
5 **Week / Time -** When manual is selected, you need to define a *Start time* and *End time* followed by selecting *Days*. The setup schedule is repeated every week.

6 **Rules -** Select the action rule defined in the Trigger Action-Action rule menu.

7 Click Save to save the current settings.

- Click 'Cancel' to return to the previous setting.

Setup - Event Setup
Schedule Configuration

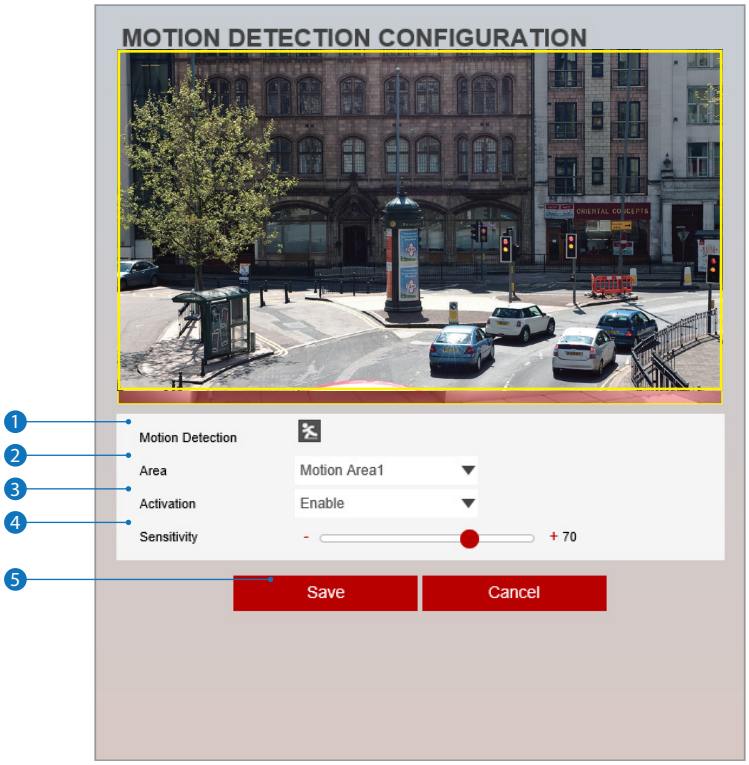


1. **Mode -** The Schedule function can be enabled or disabled here.

2. **Repeat Rule -** If desired, set a recurring time the event occurs.

3. Click **Apply** to save new settings.

Setup - Event Setup
Motion Detection Configuration



1 **Motion Detection -** Shows the Motion event status.
- Event Alert Icon( ) appears if 'Motion Detection' is activated.

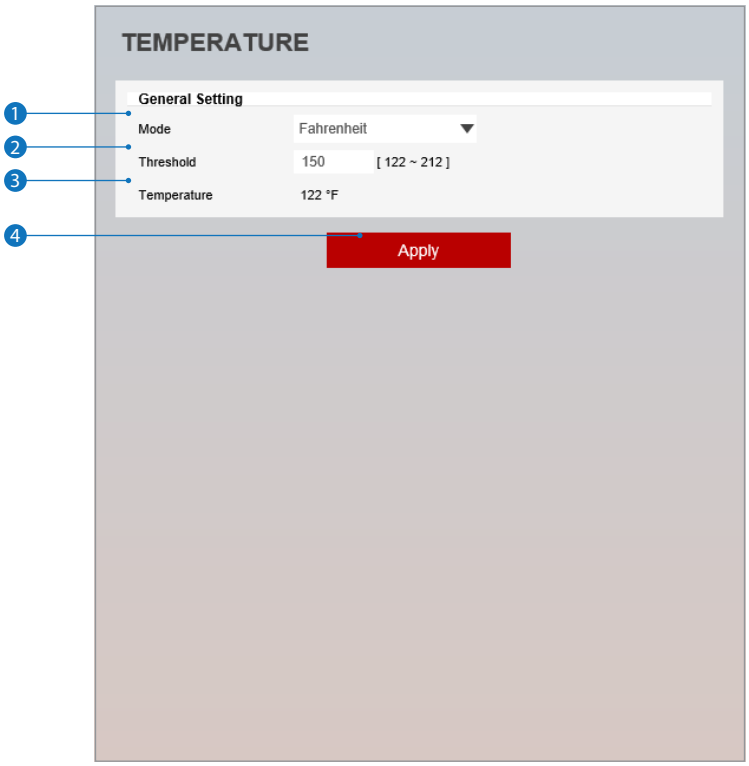
2 **Area -** Set the motion detected area.
- You can set up to four areas.

3 **Activation -** Enable or Disable motion detection.

4 **Sensitivity -** Define the sensitivity of motion detection.
If a High value is selected, it will detect very small motions while conversely, it becomes insensitive to motion when a Low value is selected.

5 Click **Save** to save the current settings.
- Click 'Cancel' to return to the previous settings.

Setup - Event Setup
Temperature



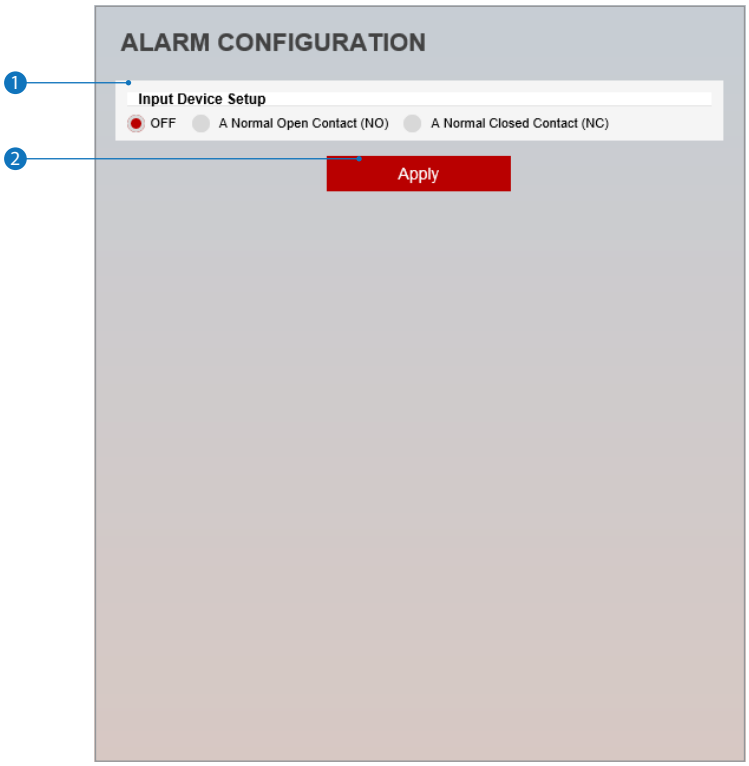
1 **Mode -** Select either Fahrenheit and Celsius.

2 **Threshold -** Define the temperature at which the event trigger occurs

3 **Temperature -** Indicates the current temperature of the IP camera.

4 Click **Apply** to save new settings.

Setup - Event Setup
Alarm Configuration

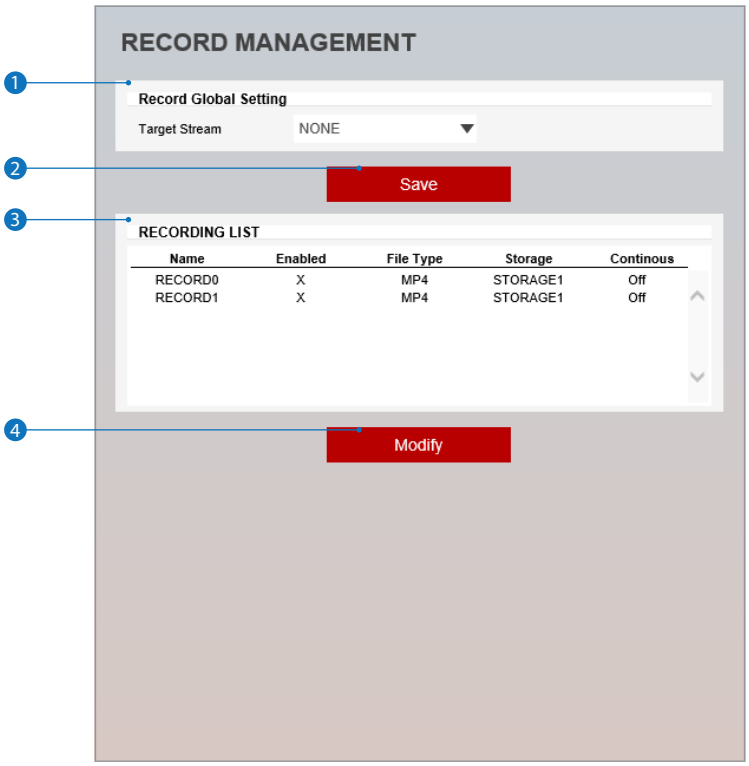


1 **Input Device Setup -** Select input device type from OFF / N.O. / N.C.

	Operation
OFF	Ignore this input sensor.
NO	The contact is normally open and closed when activated.
NC	The contact is normally closed and open when activated.

2 Click **Apply** to save new settings.

Setup - Record Setup
Record Management



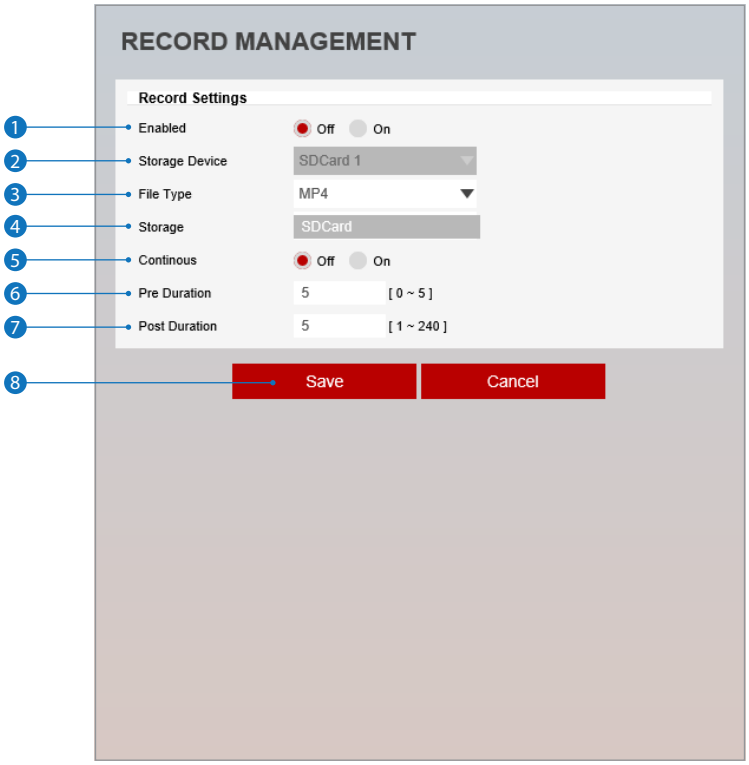
1 **Target Stream -** Select the channel you want to record video from.

2 Click **Save** to save the current settings.

3 **Recording List -** Display the information about the recording settings.

4 Click 'Modify' to modify the selected item in the recording list.

Setup - Record Setup
Record Configuration



1 **Enabled -** The Recording function can be enabled or disabled.

2 **Storage Device -** This item cannot be selected. Shows the saved SD Card.

3 **File Type -** Select the recording file type.
- Currently only supports MP4 Type.

4 **Storage -** Select the storage type. SD Card(Disabled) selection is not allowed.

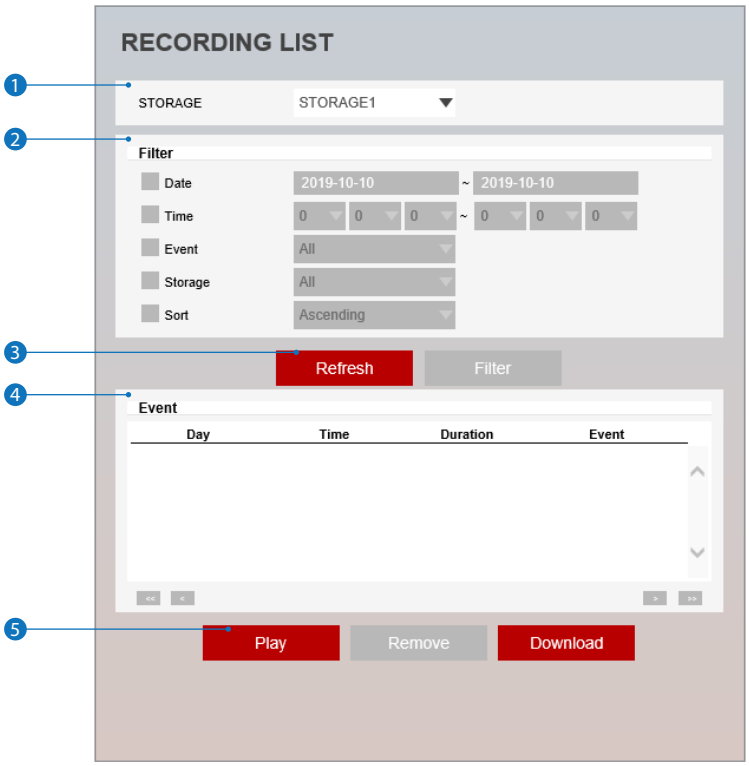
5 **Continous -** If continous mode is turned on, start continuous recording without any other setting. This settings is indepedent of recording to a VIGIL Server.

6 **Pre Duration -** Define duration of pre-recording before an event.

7 **Post Duration -** Define duration of post-recording image transfer after an event.

8 Click **Save** to save the current settings.
- Click 'Cancel' to return to the previous setting.

Setup - Record Setup
Recording List



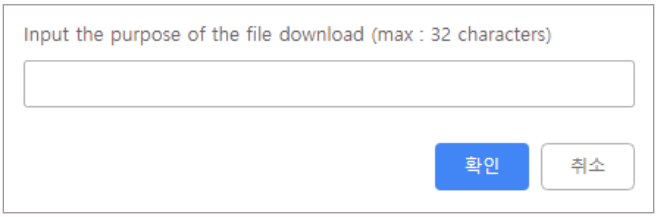
1 **Storage -** Select the Storage type from the list.

2 **Filter -** Select the date / time, event, sort or storage format to filter the recorded video.

3 Click the 'Refresh' button to refresh the records list.
- Click 'Filter' to view the filtered recorded video.

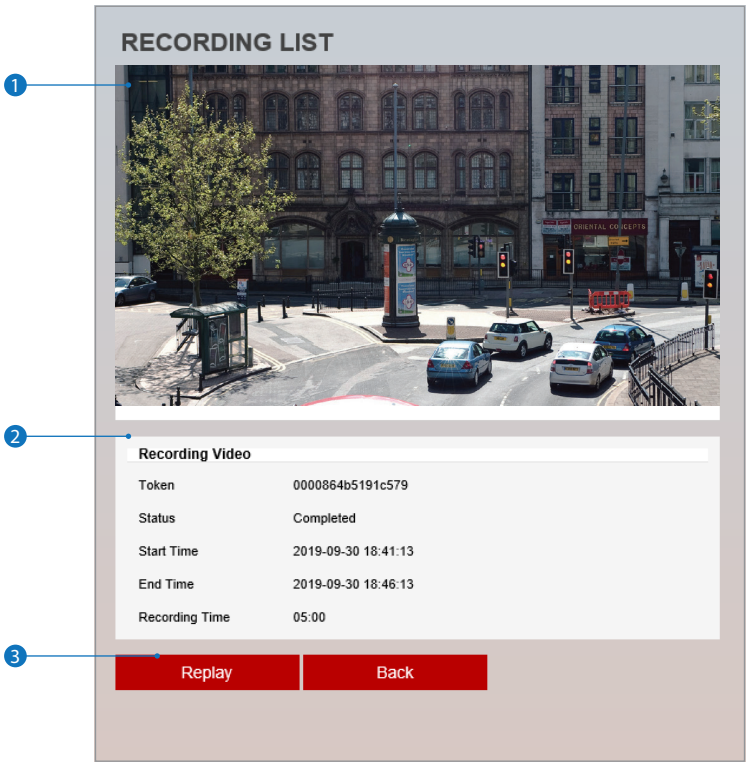
4 **Recording List -** Display the information for recording video.

5 Click 'Play' to view the selected item in list of recorded video.
- Click 'Remove' to delete the selected item in list of recorded video.
- Click 'Download' to download the selected item in list of recorded video.
  - When you click Download, the following window appears.
  - When downloading, please fill up the purpose within 30 characters. (The purpose you created is shown on the Log page with the download time)



- When playing back recorded MP4 file format with H.265 (HEVC) codec, video may not play due to the performance issues with the VLC plug-in. 3xLOGIC recommends always recording and reviewing video via the VIGIL VMS.

Setup - Record Setup
Recording Video

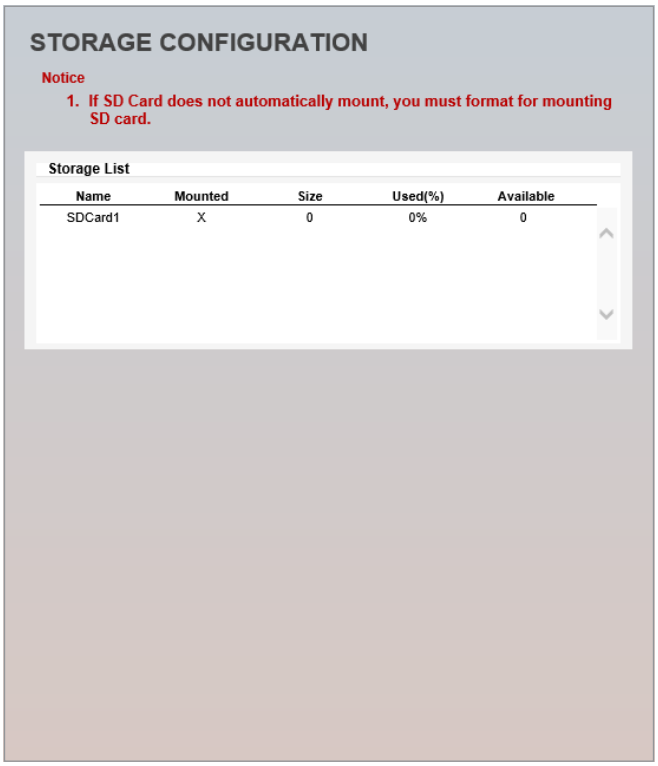


1 **Recording Video Viewer -** Play the recorded video.

2 **Recording Video Information -** Display the information about the recorded video.

3 Click 'Replay' to view the recorded video again.
- Click 'Back' to return to the previous menu.

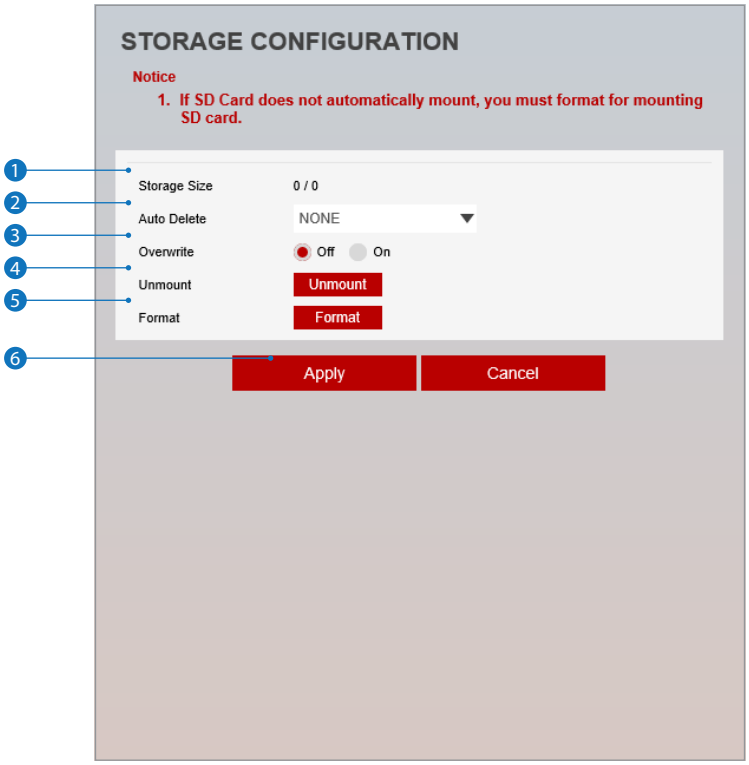
Storage Configuration



Display the SD card information mounted from device.

- When you select the item in the storage list, you can set the functions related to the SD card here.

Setup - Record Setup
Storage Configuration



1 **Storage Size -** Total capacity of SD card and remaining space are displayed here.

2 **Auto Delete -** Select the period for Auto delete. The image data stored before period will be deleted automatically.
- Deletes all stored image older than selected time.

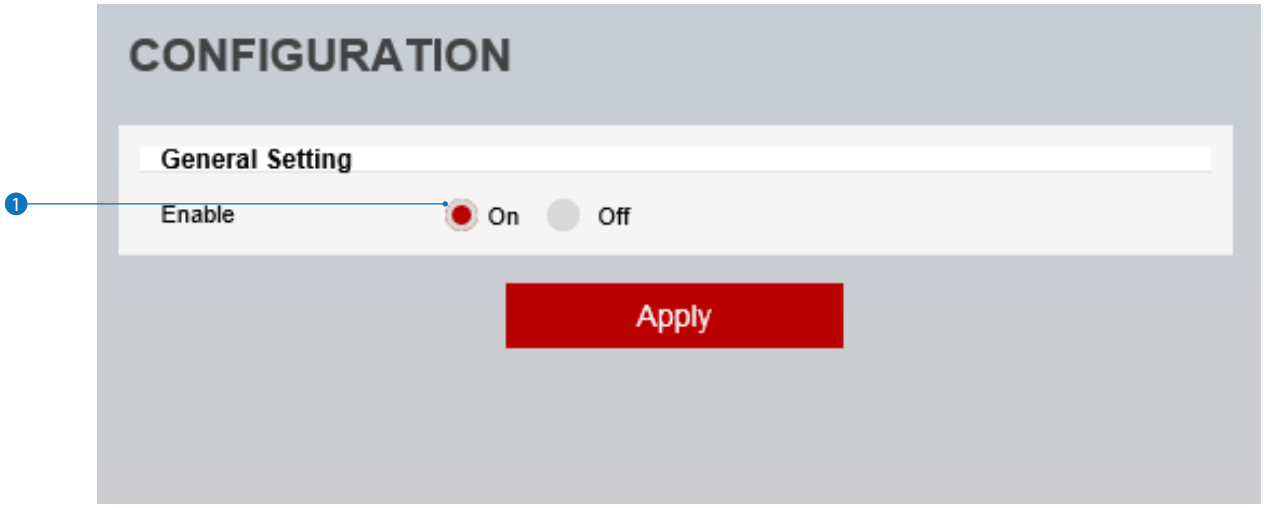
3 **Overwrite -** When set to ON and remaining space of SD card reaches less than 8MB, new data will start to be overwritten overtop the oldest data. However, if it is set OFF and remaining space of SD card reach to less than 8MB, recording will cease. This does not affect recoridng to a VIGIL Server.

4 **Unmount -** Select this option to unmount the SD card from the device before physically removing it. This can help to avoid damage to stored data.

5 **Format -** Delete the all contents that are stored in SD card and format.

6 Click **Apply** to save new settings.
- Click 'Cancel' to return to the previous settings.

VCA Enable

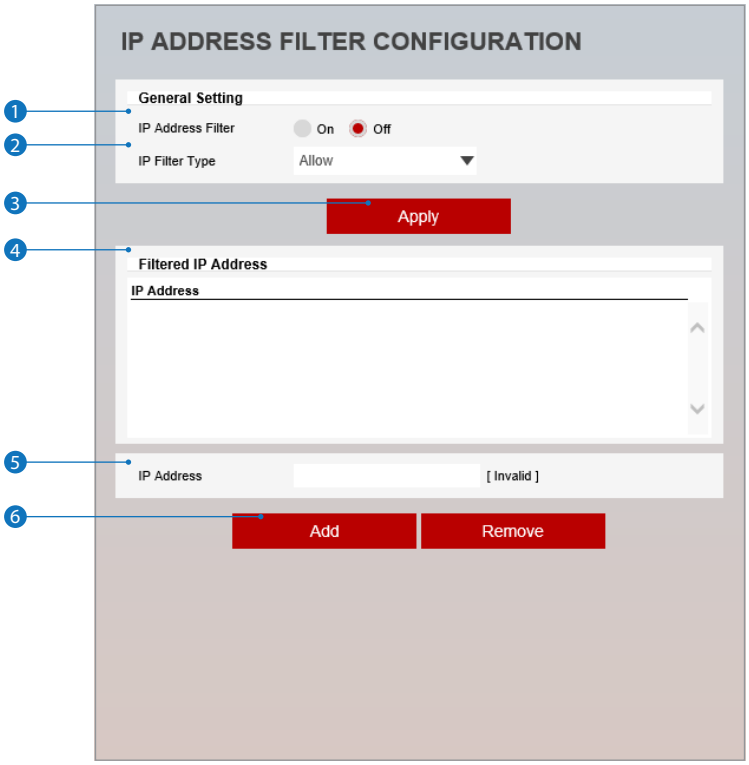


VCA rules can be used for detecting events of interest and triggering actions on-camera or within VIGIL Server to react to those events.

1 **Enabled** - Switch this option to *On* to enable VCA rules on the camera.

Once enabled, please visit www.3xlogic.com and see the *VISIX Gen III Cameras - VCA Analytics Guide* for more information on VCA licensing , configuring VCA rules, adding VCA rules from a camera to a VIGIL Server and more.

Setup - Security Setup
IP Address Filter Configuration



1. **IP Address Filter -** IP filter function can be enabled or disabled here.

2. **IP Filter Type -** Select the recording IP filter type.

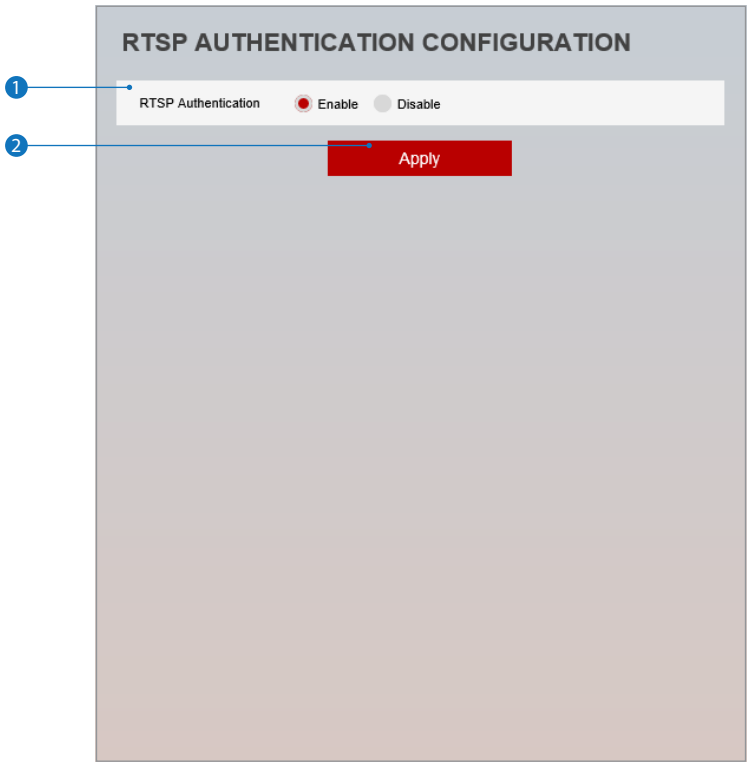
3. Click **Apply** to save new settings.

4. **Filter IP Address -** Display the filtered IP addresses.

5. **IP Address -** Define the IP address you want to apply the IP filter to.

6. Click 'Add' to add the IP address to the filter list.
   - Click 'Remove' to remove the IP address selected in the list.

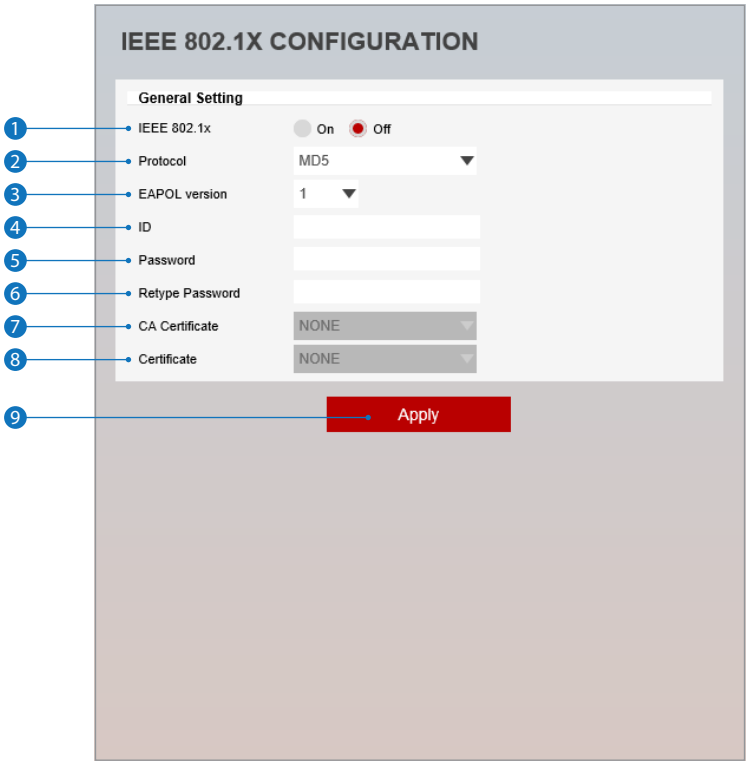
RTSP Authentication Configuration



1 **RTSP Authentication -** RTSP Authentication can be enabled or disabled. When running older versions of VIGIL Server with Gen III VISIX Cameras, RTSP Streams may be required. Always disable RTSP Authetnication in this case before entering the RTSP URL for the cameras in the VIGIL Server Network Camera settings.

2 Click **Apply** to save new settings.

Setup - Security Setup
IEEE 802.1X Configuration



The feature is needed when connecting the camera to the network protected by the IEEE 802.1X.

1 IEEE 802.1x - The IEEE 802.1x feature can be enabled or disabled here.

2 **Protocol**
- MD5: Provides one-way password-based network authentication of the client.
- PEAP : Similair TTLS in that it does not require a certificate on the client side.
- TTLS / MD5 : It does not require a certificate on the client side.
- TLS : It relies on client-side and server-side certificates to perform authentication.

3 **EAPOL Version -** Select the EAPOL Version.

4 **ID -** Type the ID to identify the client in the IEEE 802.1X authentication server.

5 **Password -** Type the Password to identify the client in the IEEE 802.1X authentication server.

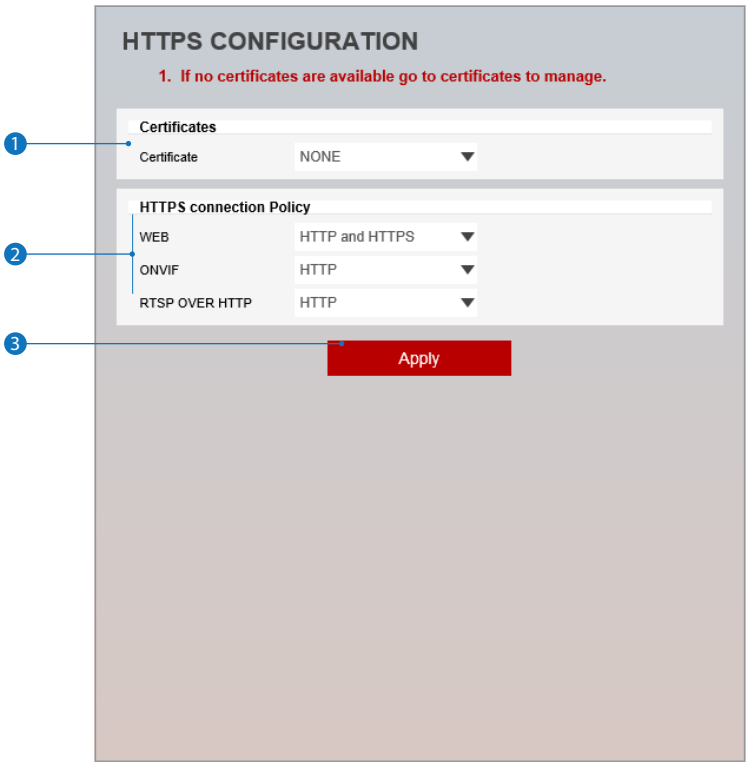
6 **Verify -** Verify Password.

7 **CA Certificate -** Select the CA certificate required for TLS, TTLS, and PEAP authentication.

8 **Certificate -** Select the client certificate required for TLS authentication

9 Click **Apply** to save new settings.

Setup - Security Setup
HTTPS Configuration



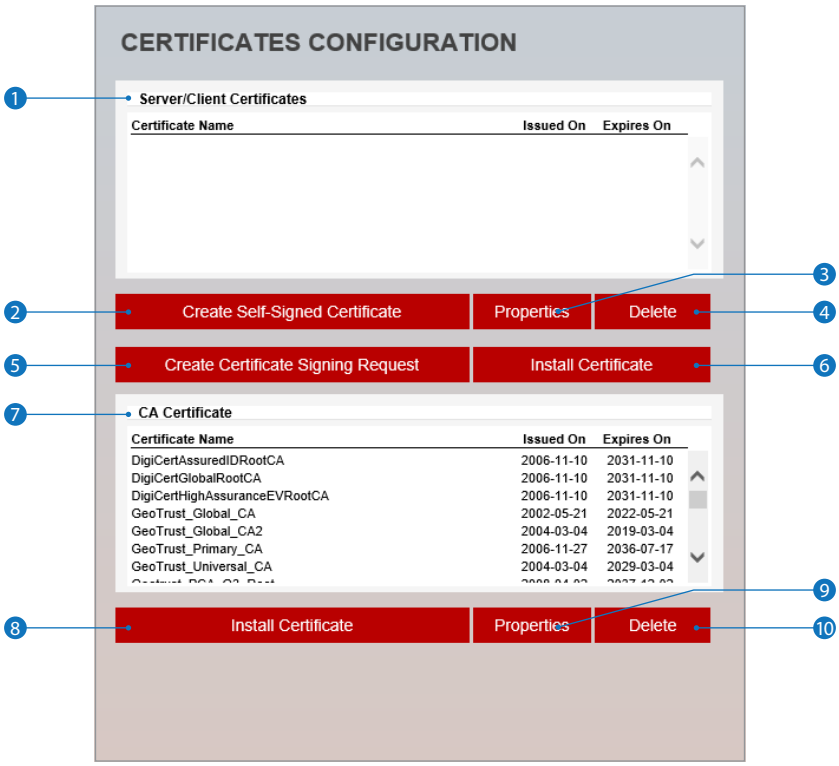
HTTPS encrypts session data over SSL or TLS protocols instead of using plain text in socket communications.

1 **Certificate -** Select an installed certificate.
- If you can not select a certificate, please install the certificate from the Security->Certificates menu.

2 **HTTPS connection Policy -** Select one of “HTTP”, “HTTPS”, “HTTP and HTTPS” depending on the connected web, ONVIF, RTSP over HTTP.
- WEB : “HTTP” “HTTPS” “HTTP and HTTPS”
- ONVIF, RTSP OVER HTTP : “HTTP” “HTTPS” “HTTP and HTTPS”

3 Click **Apply** to save new settings.
- When HTTPS mode is chosen, input https://<IP Address> to connect to the camera.

Certificates Configuration



1 **Server/Client Certificates -** Shows the installed certificates.

2 **Create Self-Signed Certificate -** A self-signed SSL certificate is an identity certificate signed by its own creator. These are considered to be less trustworthy.

3 **Properties -** Shows information about the selected certificate.

4 **Delete -** Delete the selected certificate.

5 **Create Certificate signing request -** This is the encoded data that contains the necessary information for issuing the certificate. They must be filled in when creating the CSR (Certificate Signing Request).

6 **Install Certificate -** Install Certification

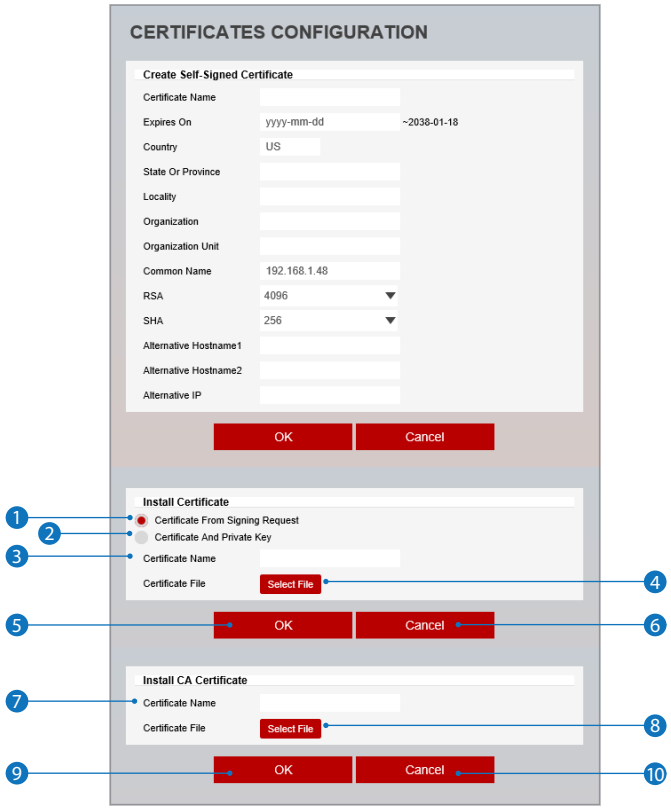
7 **CA Certificate -** Shows the installed CA certificates.

8 **Install CA Certificate -** Install Certification. See the Details page.

9 **Properties -** Shows information about the selected certificate.

10 **Delete -** Delete the selected CA certificate.

Setup - Security Setup
Certificates Configuration



Detail for Install Certification.

1 **Certificate From Signing Request -** Select to install signed certificate returned from the CA.

2 **Certificate And Private Key -** Select to install Certificate And Private Key to install a certificate and private key.

3 **Certificate Name -** Enter a unique name to identify certificate.

4 **Select File -** Choose certification file.

5 **OK -** Request installing certificate.

6 **Cancel -** Cancel install certificate and return back to certificates configuration.

Detail for Install CA Certification.

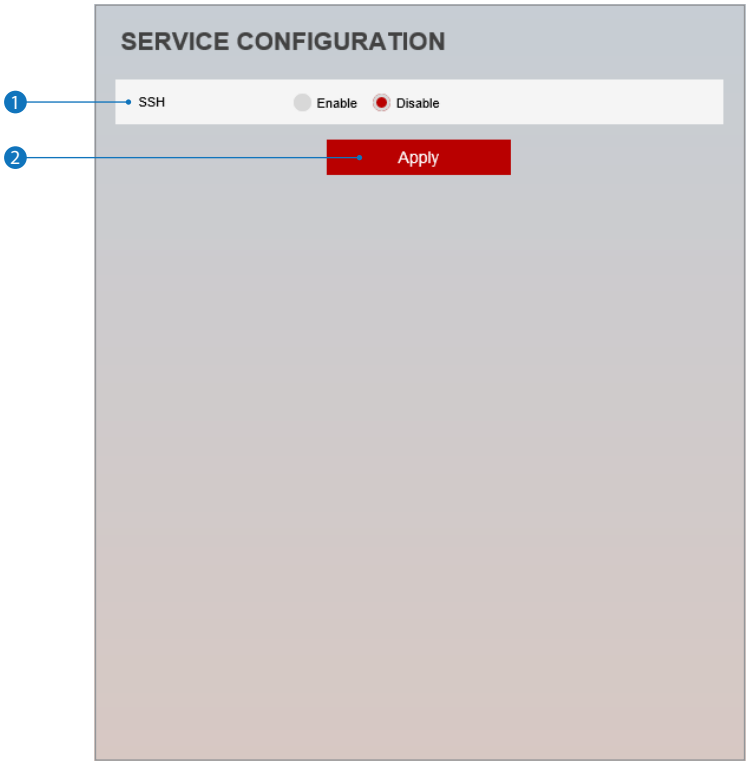
7 **Certificate Name -** Enter a unique name to identify CA certificate.

8 **Select File -** Choose CA certification file

9 **OK -** Request installing CA certificate.

10 **Cancel -** Cancel install CA certificate and return back to certificates configuration.

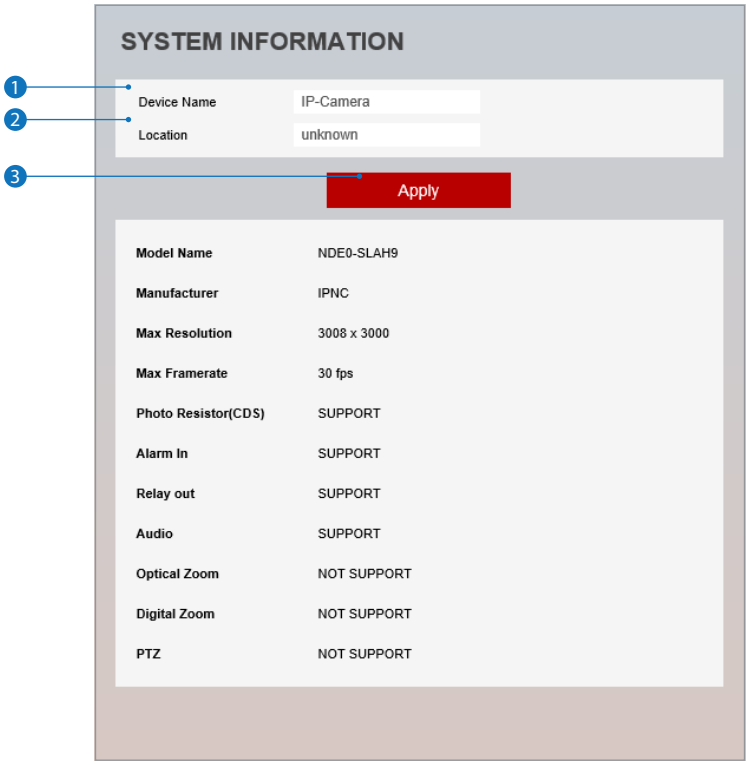
Service Configuration



1 **SSH -** The SSH function can be enabled or disabled here.

2 Click **Apply** to save new settings.

Setup - System Setup
System Information



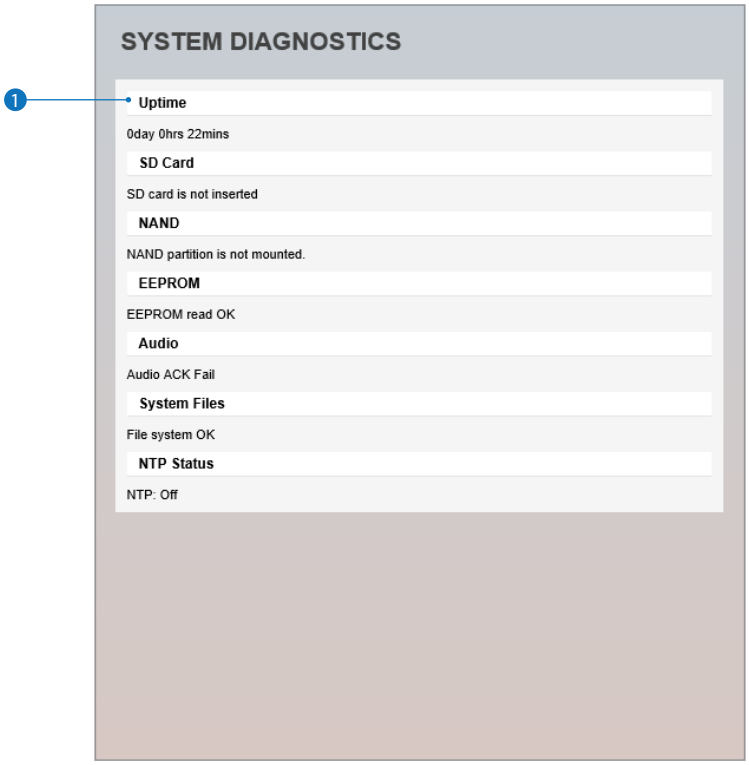
System Information is displayed here.

1 **Device Name -** Enter the device name.

2 **Location -** Shows camera's location.

3 Click **Apply** to save new settings.

Setup - System Setup
System Diagnostics

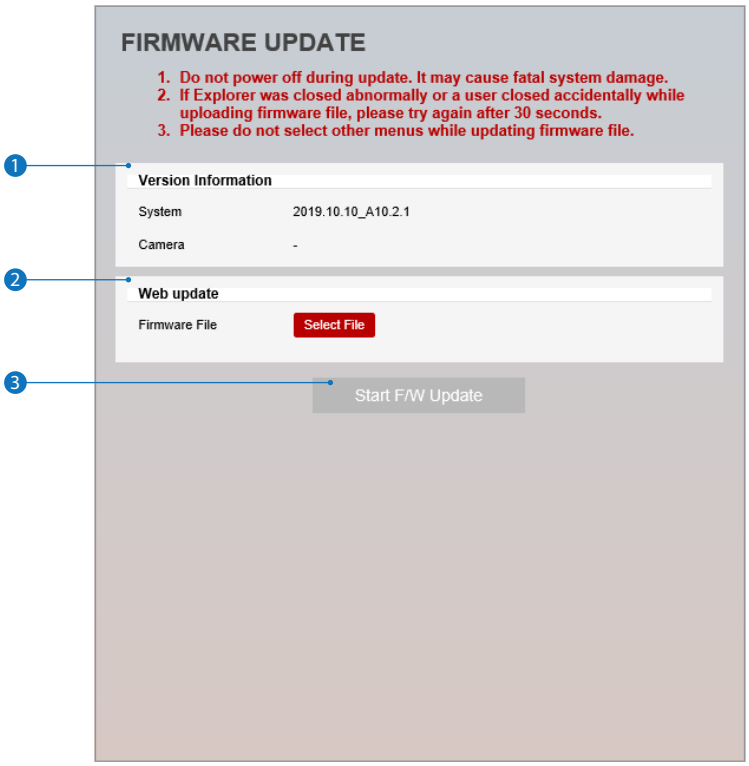


Shows basic hardware functions after inspection.

1 Shows Uptime, SD card, NAND, EEPROM, Audio chip, Important file system and NTP Status.

Warning:
If the camera is abnormally terminated, a download button will appear on the diagnostics page to download a file that allows you to check the error information log. .

Setup - System Setup
Firmware Update



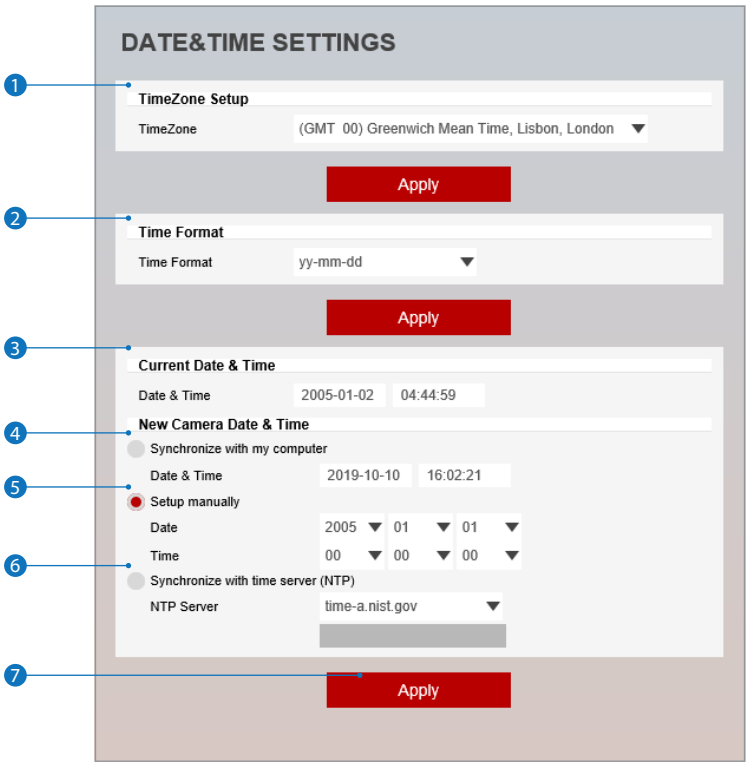
1 **Version Information -** Shows the current Firmware Version in the system.

2 **Web Update -** Select the Firmware file to update to on your computer by clicking **Select File.**

3 **Start F / W Update -** Click this button to start update. Progress of uploading will be displayed using a progress bar.
If you assign the wrong file name, an error message will be shown.

Warning:
1. Do not turn off the power of camera during the Firmware update. Otherwise, the system can hang and the device may become unusable. If updating is finished, the system will be rebooted automatically.
2. Please make sure to check the 'Notice' shown on screen.
If firmware update is completed, the camera will reboot automatically and 'Setup window' will be closed.

Setup - System Setup
Date & Time Settings



1 **TimeZone Setup -** Choose the TimeZone for camera. It will be activated after clicking 'Apply' button.
Prior to setting below 'New Camera Date & Time', always set the correct Timezone first.

2 **Time Format -** Select the time format: yy-mm-dd or mm/dd/yy.

3 **Current Date & Time -** Shows the current date and time setting in the camera.

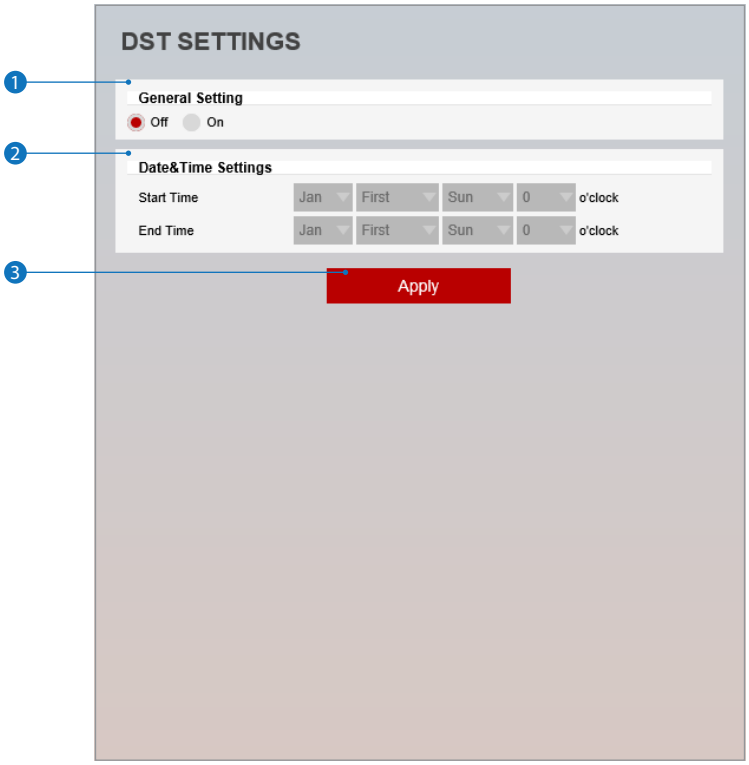
4 **Synchronize with my computer -** Set the date / time using those of the currently connected PC.

5 **Setup manually -** Set the date / time by typing manually.

6 **Synchronize with time server (NTP) -** Choose time server available to connect to the camera.
Date & Time will be updated automatically every hour when connected.

7 Click **Apply** to save new settings.

Setup - System Setup
DST Settings



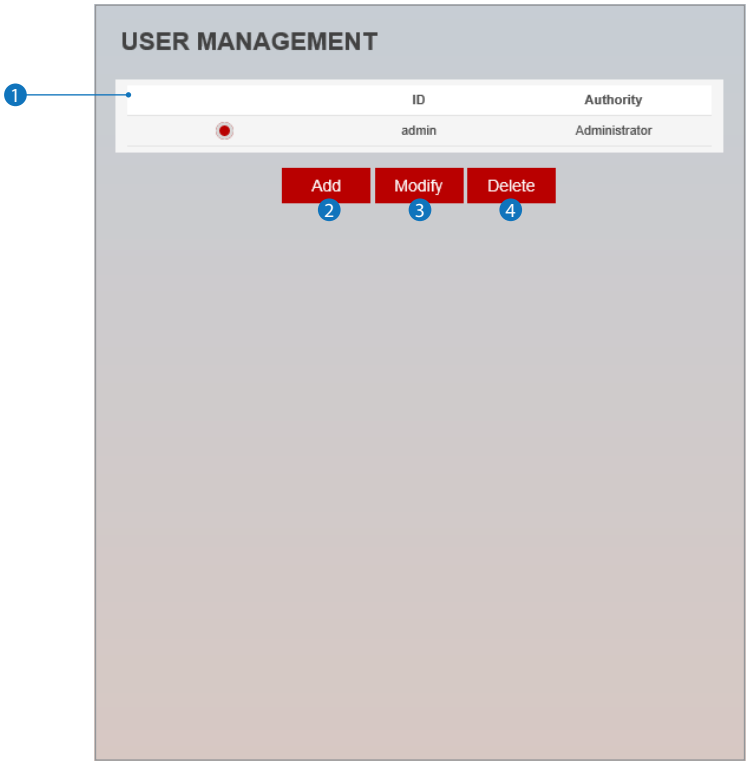
Daylight Saving Time (DST) is the practice of setting the clocks forward one hour from standard time during the spring and summer months, and back again in the fall and winter in order to make better use of natural daylight.

1. **General Setting -** DST function can be enabled or disabled here.

2. **Date&Time Settings -** Set the Start time and end time for DST.

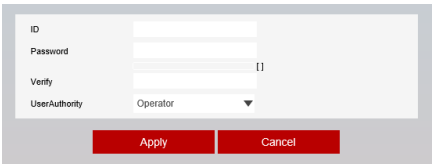
3. Click **Apply** to save new settings.

Setup - System Setup
Users Management



1 **Users -** List all the user accounts for the camera.

2 **Add -** Register a new user.



ID	Enter a new user ID (admin exists by default).
Password	Enter the user password.
Verify	Enter the user password again for verification.
User Authority	Select Operator or Viewer. Viewer : Only monitoring is allowed. Operator : Most of the functions are allowed except 'Setup'.

- The ID is limited to 4~30 characters.
- **[Password Rules]**
  Weak : 8 characters or less, less than 2 combinations
  Good : more than 8 characters, more than 3 combinations
  strong : more than 12 characters, 4 combinations
- If deemed 'Good' or better, you can change your password.
  Combinations : uppercase letters, lowercase letters, numbers, special symbols.
  Acceptable special characters are ~ ' ! & ^ ( ) _ - | { } ; . ? /.

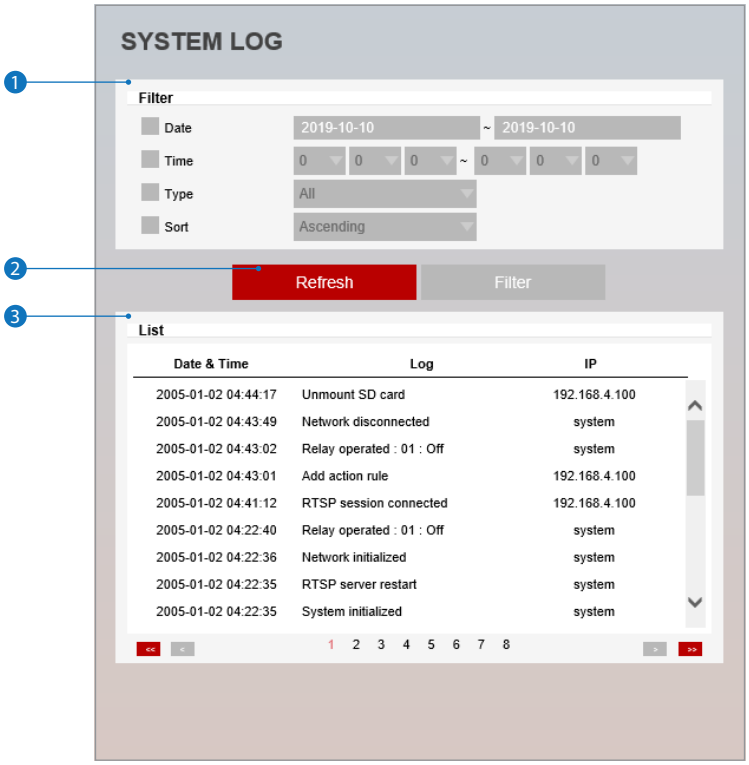
Click **Apply** to save new settings.

- Click 'Cancel' to return to the previous menu.

3 **Modify -** Modify user account info. For the *admin* account, only password function can be modified.

4 **Delete -** Delete the selected user account. Admin account cannot be deleted.

Setup - System Setup
System Log

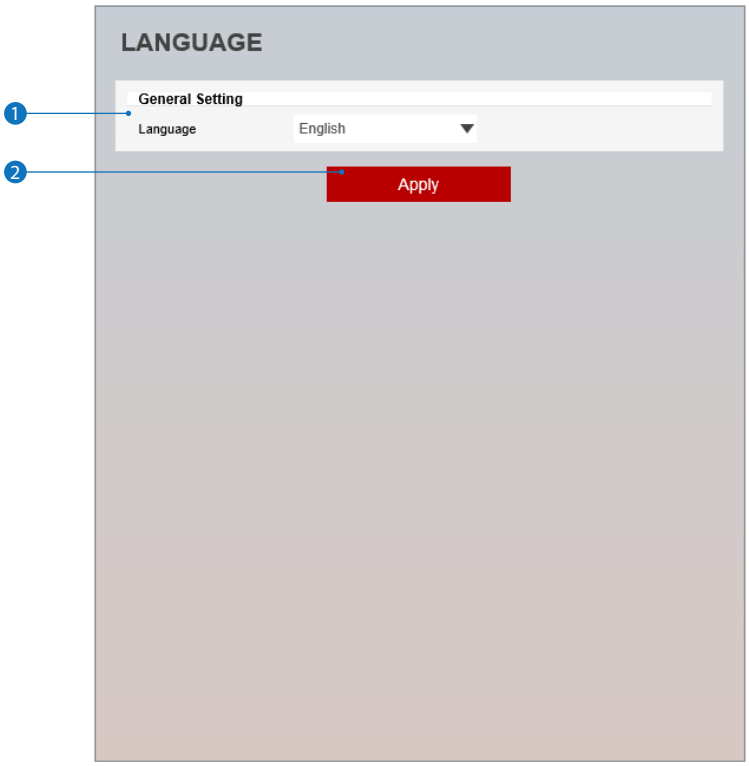


1 **Filter -** Select a date, time, sort or type of log to filter the log.

2 Click the 'Refresh' button to refresh the log list.
Click 'Filter' to view the filtered log.

3 **System Log List -** The filtered log is displayed.

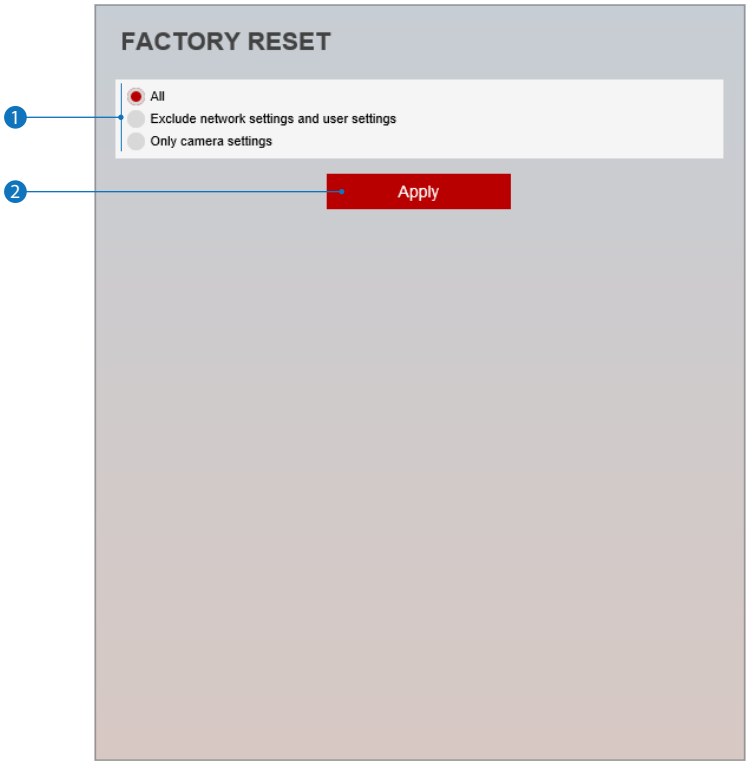
Setup - System Setup
Language



1 **Language -** Select the language for the camera interface from the menu.

2 Click **Apply** to save new settings.

Setup - System Setup
Factory Reset

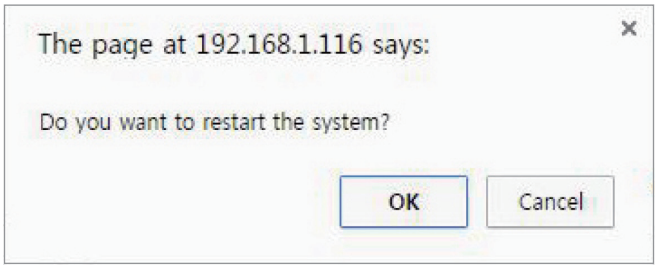


1 **Reset to the factory defaults -** Return the camera settings to their factory default state.

- **All -** Reset all Settings to the factory defaults.
- **Except Network Settings and User Settings -** Reset all setting to defaults except network and user settings.
- **Only Camera Settings -** Reset only camera related settings to their factory defaults.

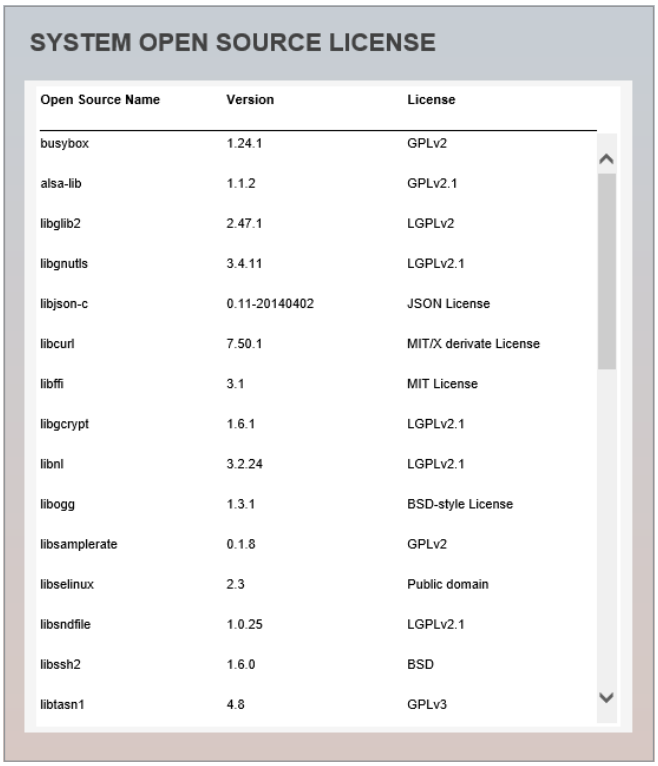
2 Click **Apply** to save new settings.

Setup - System Setup
Restart



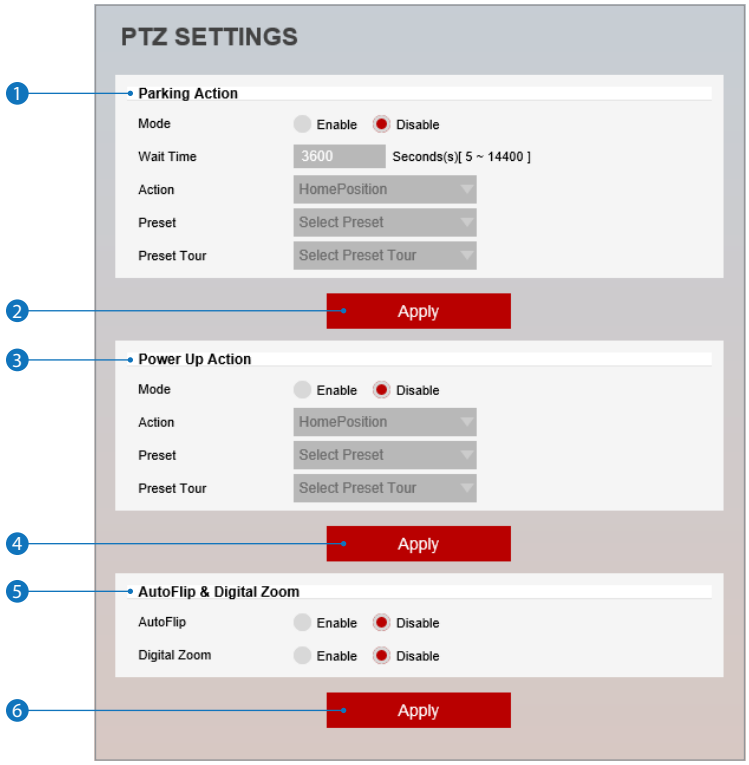
If you click the 'RESTART' menu, a message box will be shown to confirm a camera system restart. Click the 'OK' button to restart. You will be logged out and will require a relogin to continue setup and settings configuration.

System Open Source License



This menu will show you all the list of System Open Source Licensees used in the camera. Open Source Name / Version / License is displayed.

Setup - PTZ Setup
PTZ Settings



PTZ Settings are only available for applicable models.

1. **Parking Action -** Set the action for the camera to take when the PTZ control of the camera is not in use.
   - Wait Time : Set the wait time (5sec ~ 14400sec). The camewra will be considered idle after the set amount of time transpires with no PTZ inputs detected.
   - Action : Set the action to perform if there is no PTZ operation during the wait time. (HomePosition / Preset / Preset Tour)
   - Preset : If the Action is set to a preset, select the preset number here. Presets must be constructed and added from the main viewer.
   - Preset Tour : If the Action is set to a preset tour, it can be selected here. Preset Tours can be constructed and added from the main page.

2. Click **Apply** to save new settings.

3. **Power Up Action -** Set the acti for PTZ to take when the camera comes online.
   - Action : Set the action (HomePosition / Preset / Preset Tour)
   - Preset : If the Action is set to a preset, select the preset number here. Presets must be constructed and added from the main viewer.
   - Preset Tour : If the Action is set to a preset tour, it can be selected here. Preset Tours can be constructed and added from the main page.

4. Click the 'Apply' to make above setting effective.

5. **AutoFlip & Digital Zoom**
   - **AutoFlip :** This is a function that enables continuous pan by converting PTZ to 180 degree panoraamic instantly.
   - **Digital Zoom :** Enable this to allow Digital zoom.

6. Click **Apply** to save new settings.

3xLOGIC

Simple. Scalable. Secure.