



iVSEC

INTELLIGENT VIDEO SECURITY

<https://ivsecurity.com.au/support/analytics-ai-ivs/>

MODIFYING WHITE LIGHT SETTINGS

ABOUT THIS DOCUMENT

Some of the iVSEC camera range have the Perimeter Intrusion Detection feature using AI and can log detection on the recorded timeline, send push notifications to a user, or email the results if required. The AI can also trigger a relay on cameras or NVRs that include alarm relay outputs if the device that have these included and are setup to trigger when a face is detected.

All instruction contained within this document are using the Web Interface, though similar steps are performed using the NVR Interface.

Cameras with this feature start at the following and include the later revisions :

[NC119XA](#), [NC312ADX](#), [NC317ADX](#), [NC319XA](#), [NC323ADX](#), [NC512ADX](#), [NC528XD](#), [NC531ADX](#), [NC542ADX](#), [NC543ADX](#), [NC544ADX](#), [NC691XB](#), [NC693ADX](#)

GETTING STARTED

To adjust these settings, you will have the following:

- LCD monitor and USB mouse connected to iVSEC recorder.
- Laptop (if you are logging into recorder using a web browser).
- iVSEC X mobile app installed and your iVSEC recorder added to the app.

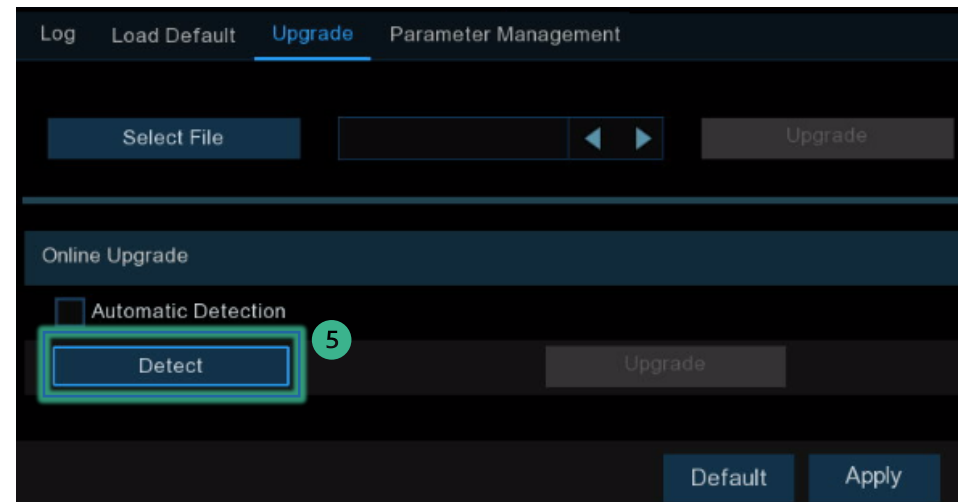
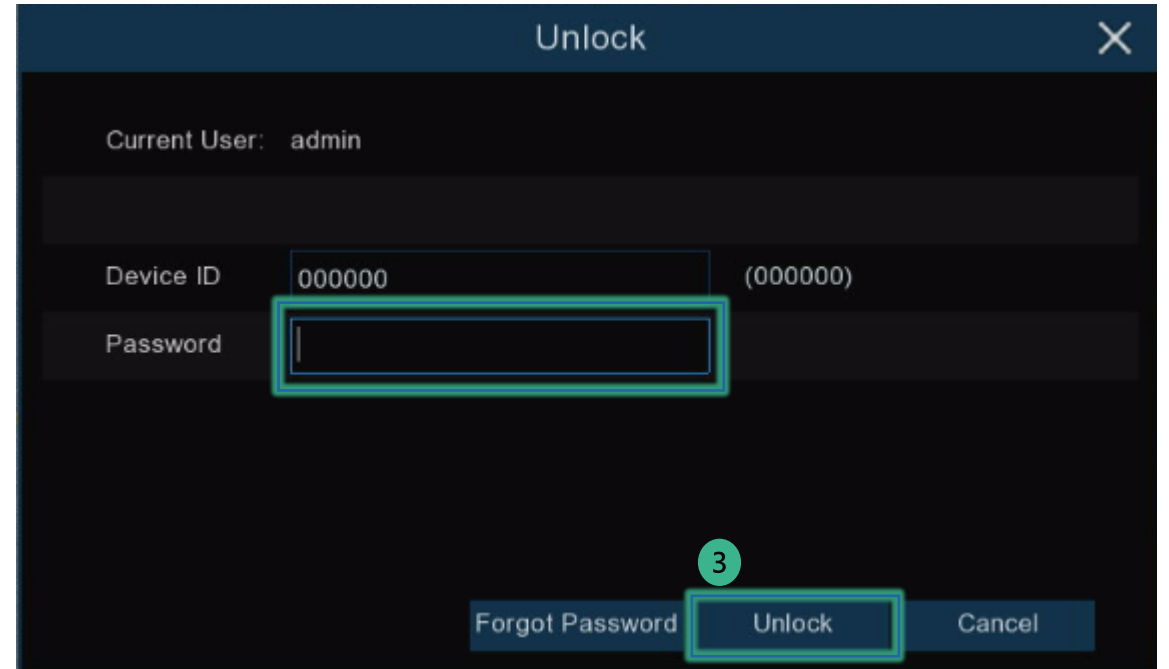
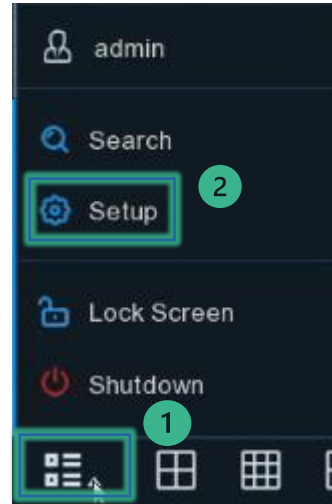
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CHECK FOR FIRMWARE UPDATE (USING MONITOR & MOUSE)

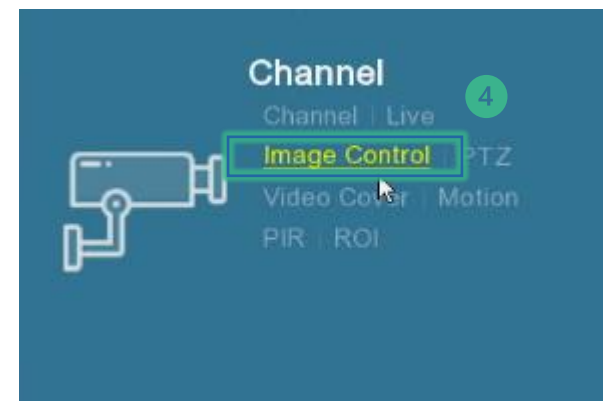
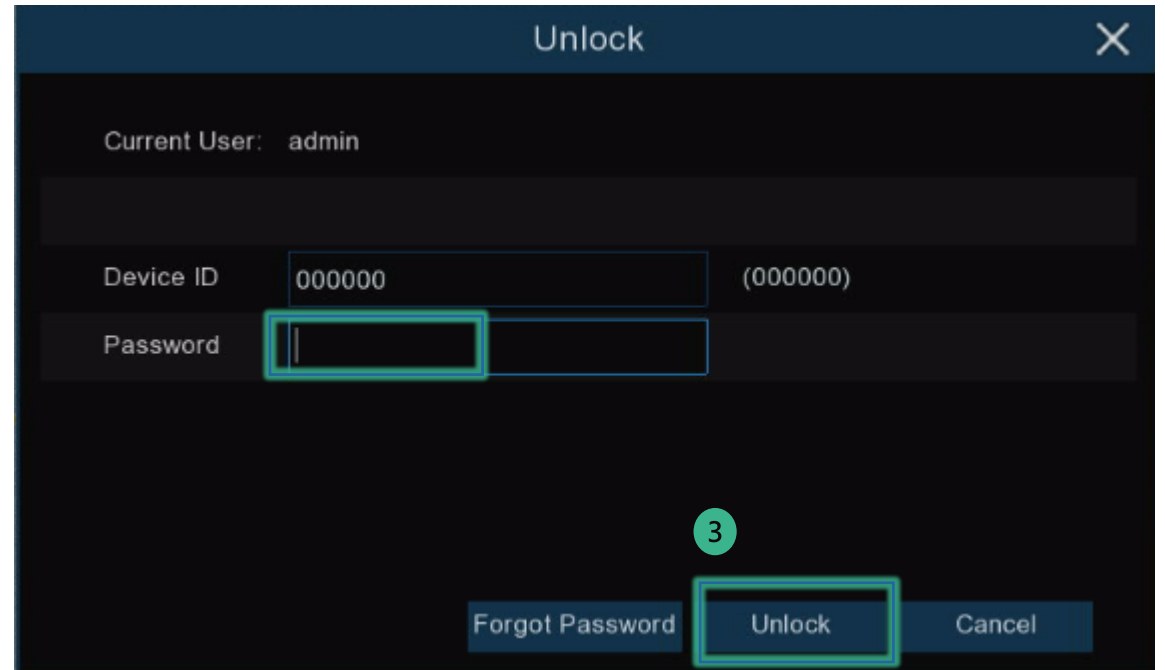
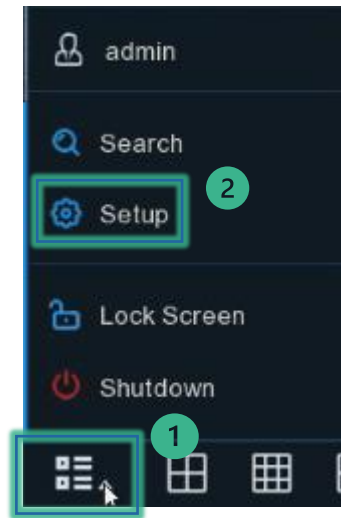
It is important to have the latest firmware installed. The below steps show how to check for an update using a monitor and mouse

- 1 Click the 4 squares on bottom left corner of the screen.
- 2 Click **Setup**.
- 3 If prompted, enter your password and click **unlock**
- 4 Click **Maintenance** (Under the System Menu)
- 5 Click **Detect**. If a new firmware version is available a message will appear. Click **Upgrade**. If prompted, enter your recorders password. The upgrade will take approx. 5 minutes. **DO NOT** power off the recorder during this process!




ACCESSING IMAGE CONTROL MENU (USING MONITOR & MOUSE)

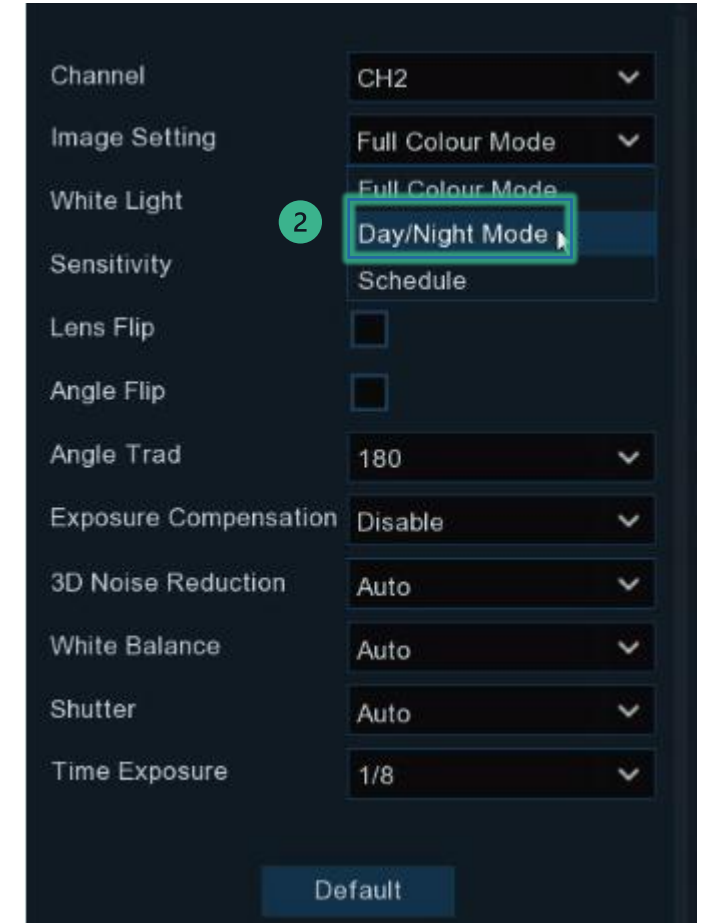
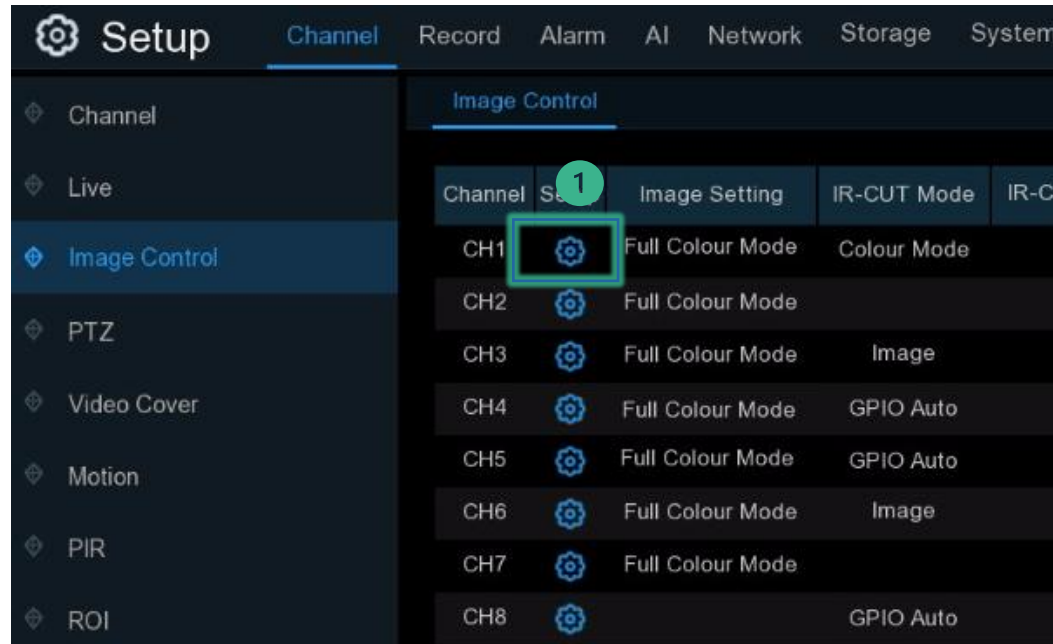
- 1 Click the 4 squares on bottom left corner of the screen.
- 2 Click **Setup**
- 3 If prompted, enter your password and click **unlock**
- 4 Click **Image Control** (Under the **Channel** Menu)



CHANGING IMAGE CONTROL SETTINGS TO DAY/NIGHT MODE (MONITOR & MOUSE)

Check the column named “Image Setting”. If any camera is set to Full Colour Mode follow below steps.

- 1 Click the  icon for any channel where the image setting is set to **Full Colour Mode**
- 2 **Image Setting:** Click the drop-down menu and select **Day/Night Mode**. Click the right mouse button to go back a menu
- 3 Repeat steps 1-2 for all cameras that have **Full Colour Mode** listed under the image setting column



CHANGING MOTION SETTINGS (USING MONITOR & MOUSE)

These changes will ensure any motion events will be based on human and vehicle detection

- 1 Click **Channel**
- 2 Click **Motion**
- 3 Ensure the **Switch** option is ticked for all cameras
- 4 **SMD by Recorder**: Set all cameras to "Vehicle & Pedestrian"
- 5 Click **Apply**

The screenshot shows the 'Setup Channel' interface with the 'Motion' tab selected. The interface includes a sidebar with navigation options and a main table for configuring motion settings for eight channels (CH1-CH8). The 'Switch' column contains checkboxes, and the 'SMD by Recorder' column contains dropdown menus. The 'Apply' button is located at the bottom right.

Channel	Setup	Switch	Sensitivity	SMD by Recorder
CH1		<input checked="" type="checkbox"/>	3	Vehicle & Pedestrian
CH2		<input checked="" type="checkbox"/>	3	Vehicle & Pedestrian
CH3		<input checked="" type="checkbox"/>	3	Vehicle & Pedestrian
CH4		<input checked="" type="checkbox"/>	3	Vehicle & Pedestrian
CH5		<input checked="" type="checkbox"/>	3	Vehicle & Pedestrian
CH6		<input checked="" type="checkbox"/>	3	Vehicle & Pedestrian
CH7		<input checked="" type="checkbox"/>	5	Motion
CH8		<input checked="" type="checkbox"/>	3	Vehicle & Pedestrian

CHANGING DETERRENCE SETTINGS (USING MONITOR & MOUSE)

These changes will set the white light to turn in the evening when a motion event is detected. White light can also be disabled in this menu

1 Click **Alarm**. Click **Deterrence**

2 Under the **Light** column ensure the **Switch** option is ticked for all cameras.
IMPORTANT: If you prefer to disable the white light function you should untick this option for each camera

3 Click **Schedule** icon.

4 Click **Motion**. Enable the “**Motion Light Switch**”. Click **Save**

5 Repeat steps 3-4 for all cameras and click **Apply**

CHECK FOR FIRMWARE UPDATE (USING WEB BROWSER)

Login to the iVSEC recorder using a Web browser using the recorder's IP address.

- 1 Click **Remote Setting**
- 2 Click **Maintenance** (located under the **System** menu)
- 3 Click **Upgrade**
- 4 Click **Detect**
- 5 If a new firmware version is available a message will appear. Click **Upgrade**. If prompted, enter your recorders password. The upgrade will take approx. 5 minutes. **DO NOT** power off the recorder during this process

The screenshot displays the iVSEC web interface. The top navigation bar includes 'Live', 'Playback', and 'Remote Setting' (highlighted with a green box and a '1' in a circle). Below this, a secondary bar contains 'Log', 'Load Default', 'Upgrade' (highlighted with a green box and a '3' in a circle), 'Parameter Management', 'Auto Reboot', and 'Developer Mode'. The main content area shows 'Online Upgrade' settings, including an 'Automatic Detection' toggle switch. Below the toggle are buttons for 'Save', 'Detect' (highlighted with a green box and a '4' in a circle), 'Upgrade', and 'Refresh'. An 'Auto Upgrade' dialog box is open, displaying the message: 'There is a new version V8.2.3.2-20230323. Do you want to upgrade?' (highlighted with a '5' in a circle). The dialog box has 'Upgrade' and 'Cancel' buttons, with 'Upgrade' highlighted by a green box. The left sidebar menu is visible, showing 'Network' and 'System' sections. Under 'System', 'Maintenance' is highlighted with a green box and a '2' in a circle. Other menu items include 'PTZ Linkage | Exception | Alarm Schedule | Voice Prompts | Deterrence | Siren | Disarming', 'General | DDNS | Email | HTTPS | IP Filter | Voice Assistant | Platform Access', and 'General | Multi-User | IP Camera Maintain | Information'.

CHANGING IMAGE CONTROL SETTINGS (USING WEB BROWSER)

Login to the iVSEC recorder via Web browser using the recorder's IP address.

- 1 Click **Remote Setting**
- 2 Click **Image Control** (located under the Channel menu)
- 3 **Image Setting:** If currently set to Full colour mode change it to **Day/night Mode**
- 4 Click "**Save**"
- 5 Press the Channel drop-down menu. Select a different channel number & repeat steps 3-4 for all channels

The screenshot displays the iVSEC web interface for configuring image control settings. The top navigation bar includes 'Live', 'Playback', and 'Remote Setting' buttons. The left sidebar shows the 'Channel' menu with 'Image Control' selected. The main content area is titled 'Image Control' and shows settings for channel 'CH3'. The settings include: 'Image Setting' (Day/Night Mode), 'IR-CUT Mode' (Image), 'Sensitivity' (1), 'IR-CUT Delay' (slider), 'IR-LED' (Manual), 'Low Beam Light' (slider), 'Shutter' (Automatic mode), 'Time Exposure' (1/8), and '3D Noise Reduction' (Automatic mode). A 'Save' button is highlighted at the bottom of the settings panel.

CHANGING IMAGE CONTROL SETTINGS (USING WEB BROWSER)

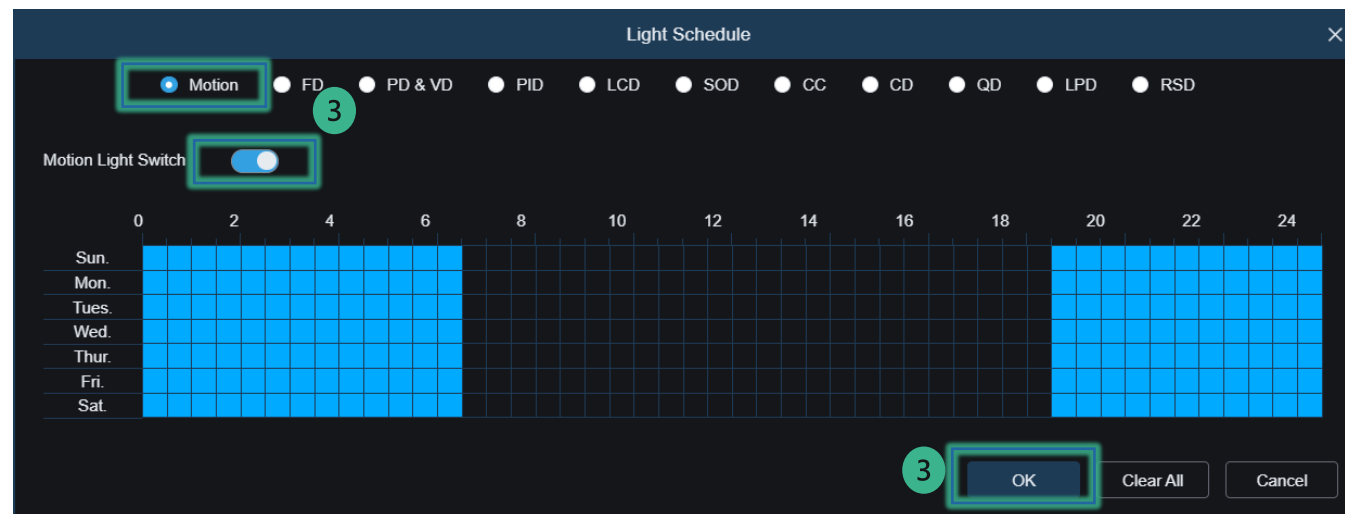
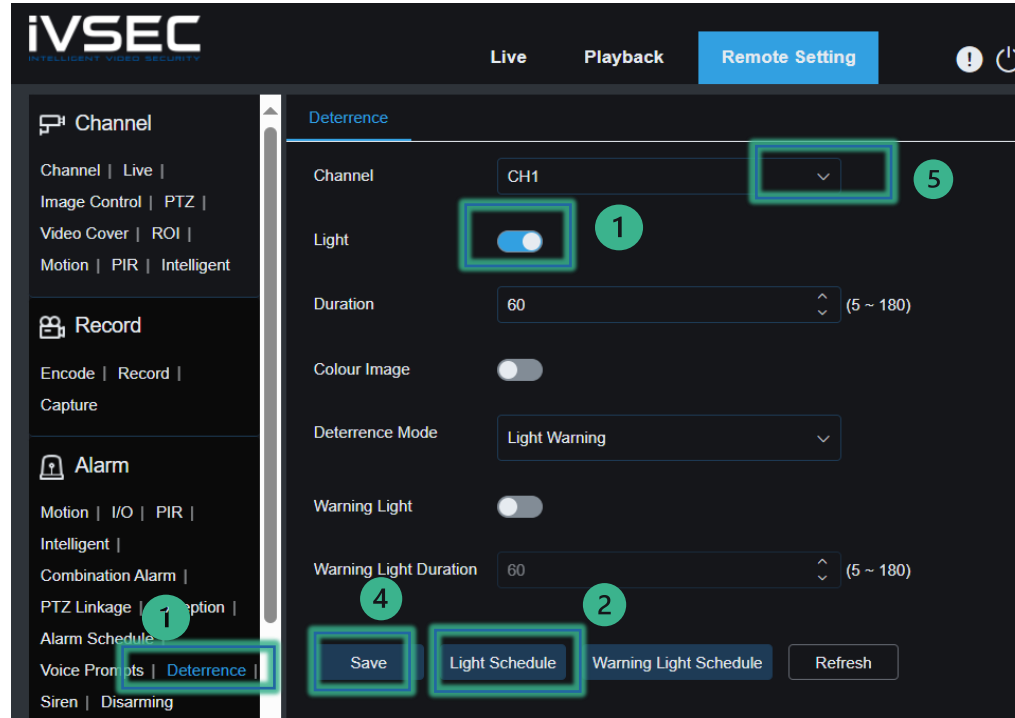
Login to the iVSEC recorder via Web browser using the recorder's IP address.

- 1 Click **Motion**
- 2 Click the **Enable** swipe bar (Blue = enable)
- 3 **SMD by Recorder**: Set to **Pedestrian & Vehicle**
- 4 Click "**Save**"
- 5 Press the **Channel** drop-down menu. Select a different channel number & repeat steps 2-4 for all channels

The screenshot displays the iVSEC web interface. The top navigation bar includes 'Live', 'Playback', and 'Remote Setting' (highlighted in blue). The left sidebar menu has 'Motion' selected. The main content area shows the 'Motion' settings for 'Channel CH3'. The 'Enable' toggle is turned on. The 'SMD by Recorder' is set to 'Pedestrian & Vehicle'. The 'Save' button is highlighted. A video preview window on the right shows a car with a red grid overlay. Numbered callouts (1-5) highlight the 'Motion' menu item, the 'Enable' toggle, the 'SMD by Recorder' dropdown, the 'Save' button, and the 'Channel' dropdown menu respectively.

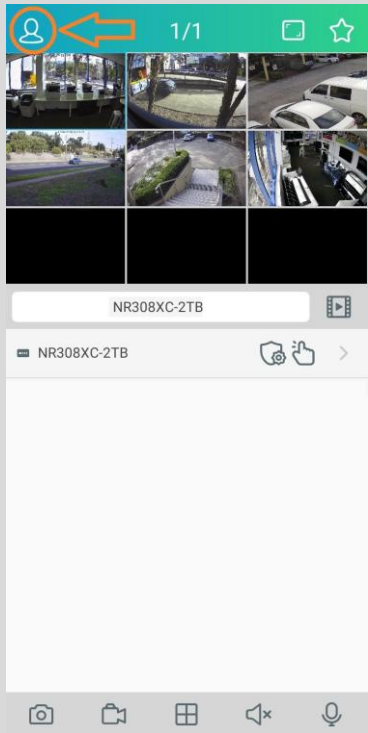
CHANGING IMAGE CONTROL SETTINGS (USING WEB BROWSER)


- 1 Click **Deterrence** (Under Alarm Menu). Click the **Light** Enable swipe bar (Blue = enable)
- 2 Click **Light Schedule**
- 3 Click **Motion** – Click the **Motion Light Switch** Enable swipe bar (Blue = enable). Click **OK**
- 4 Click **Save**
- 5 Press the **Channel** drop-down menu. Select a different channel number & repeat steps 1-4 for all channels



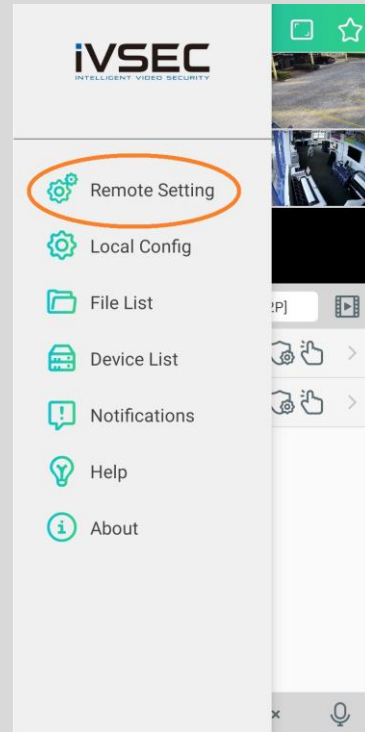
CHANGING IMAGE CONTROL SETTINGS (USING IVSEC X APP)

STEP 1



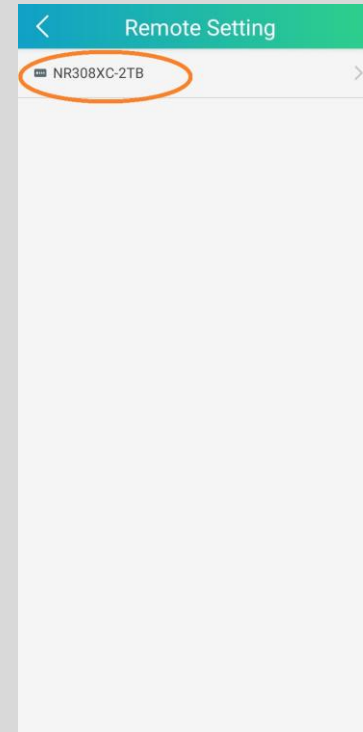
Open iVSEC X app.
Press  icon on top left corner.

STEP 2



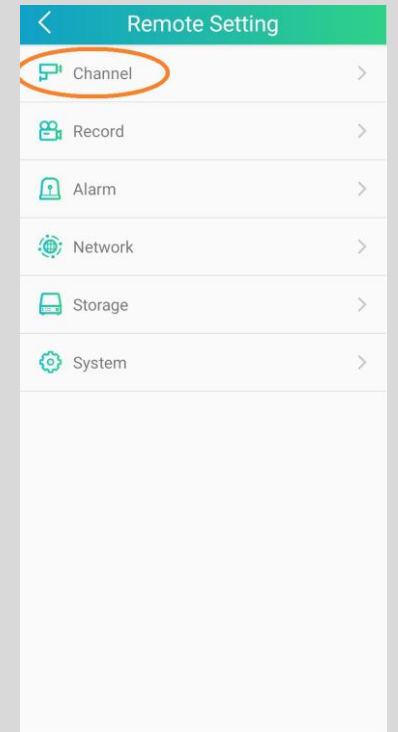
Press
“**Remote Setting**”

STEP 3



Press the recorder name e.g., NR308XC

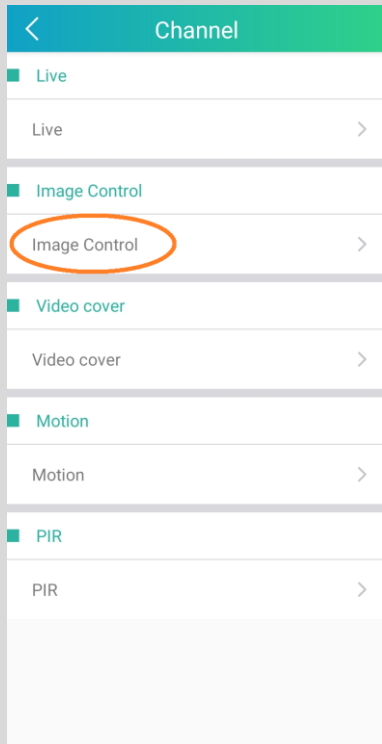
STEP 4



Press “**Channel**”

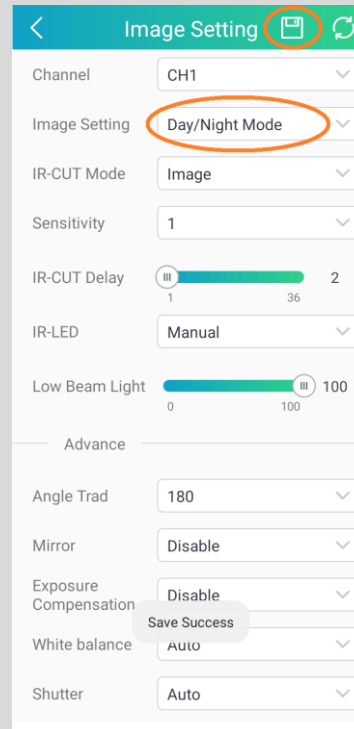
CHANGING IMAGE CONTROL SETTINGS (Continued...)

STEP 5



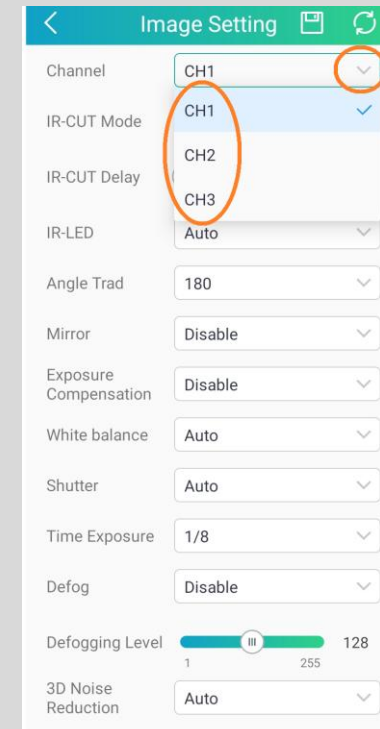
Press “**Image Control**”

STEP 6



If Image Setting is set to **Full Colour** mode then change it to **Day/Night mode**: Press the save icon. 

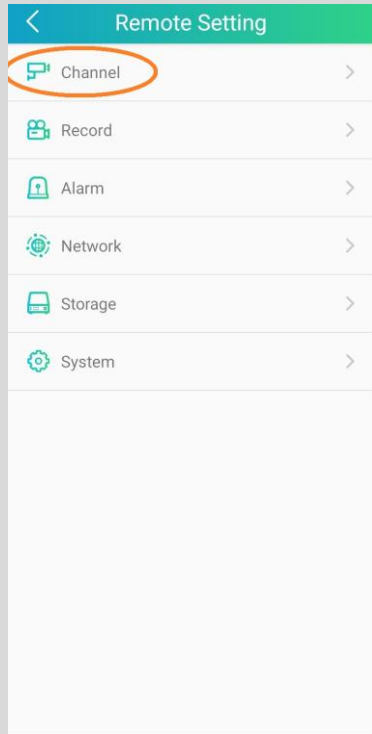
STEP 7




Click on the drop-down arrow next to **channel**, select CH2 and repeat steps 6. Repeat this process for all channels.

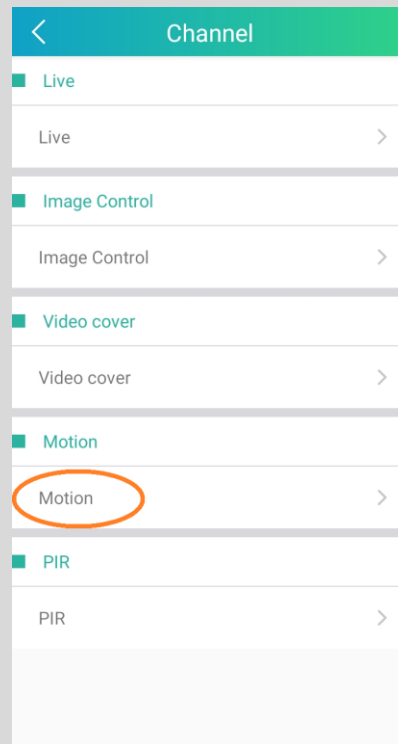
CONFIGURING WHITE LIGHT TO TURN ON IF MOTION IS DETECTED (IVSEC X APP)

STEP 1



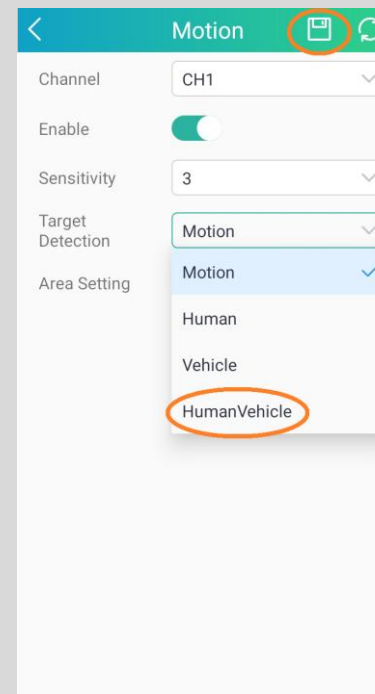
Open iVSEC X app.
Press  icon on top left corner.


STEP 2



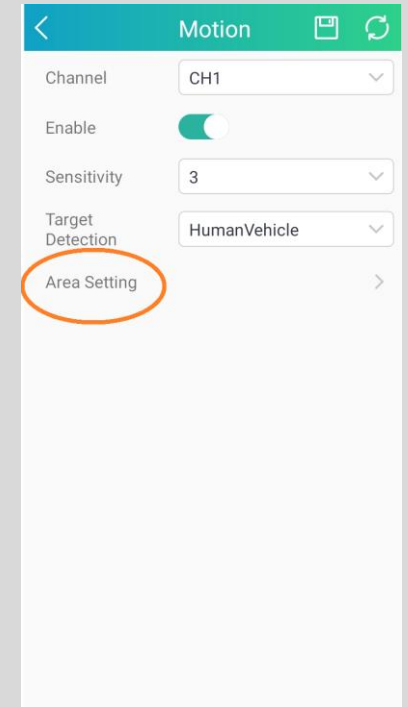
Press "**Motion**"

STEP 3



Target Detection: Select "**HumanVehicle**". Press save 
Repeat Step 3 for all other channels
Note: Not all iVSEC models support **HumanVehicle** detection via motion. If option is not available set it to motion

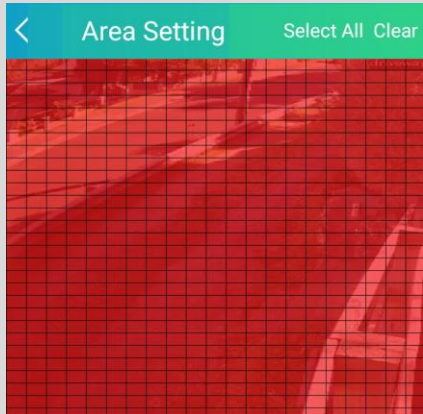
STEP 4



Press "**Area Setting**"

CONFIGURING WHITE LIGHT TO TURN ON IF MOTION IS DETECTED (iVSEC X APP) Continued...

STEP 5



Red squares = motion will be detected in this area

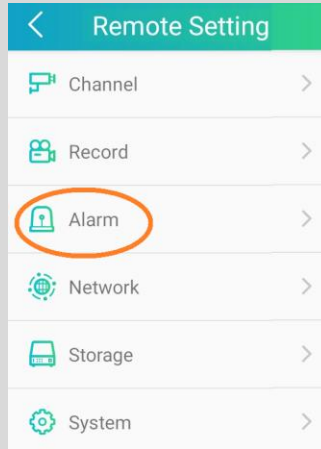
If you draw over the red squares they will become clear

Clear squares = motion will not be detected in this area

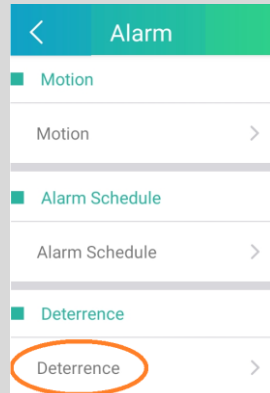
After adjusting the squares press the top left arrow

Press save and repeat step 4 and 5 for all other cameras

STEP 6

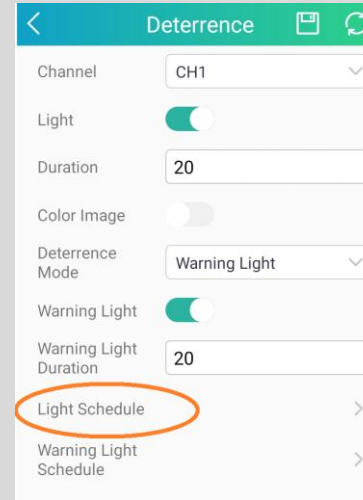


Press until you get back to the Remote Setting menu. Press "Alarm"

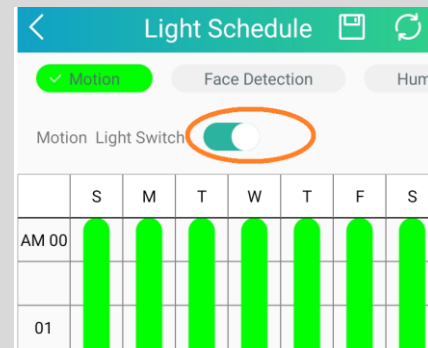


Press "Deterrence"

STEP 7



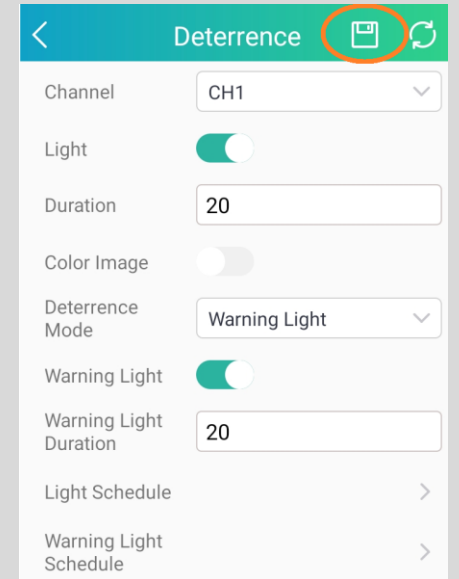
Press "Light Schedule"



Enable Motion Light Switch

STEP 8

Press back to the Deterrence menu

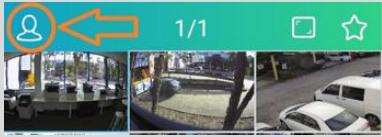



Press save in the Deterrence menu.

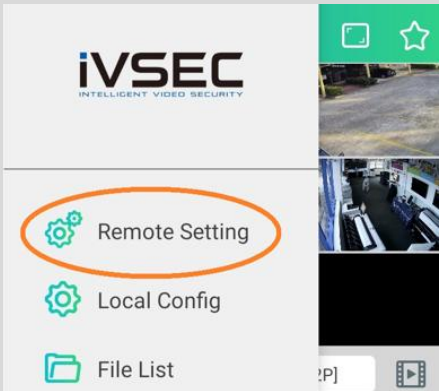
Repeat step 7 and 8 for all other cameras

HOW TO DISABLE WHITE LIGHT & WARNING LIGHT (iVSEC X APP).

STEP 1

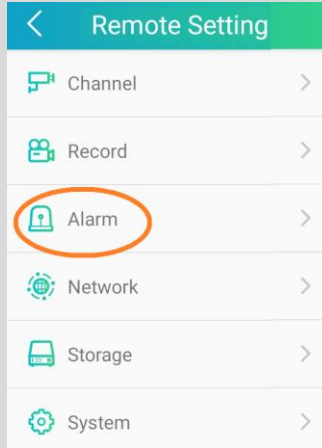


Open iVSEC X app.
Press  icon on top left corner.

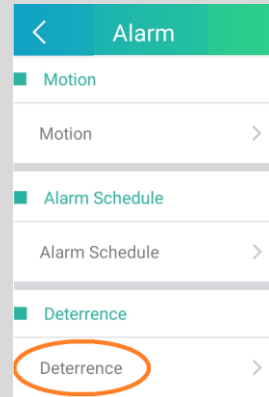


Press
“Remote Setting”

STEP 2

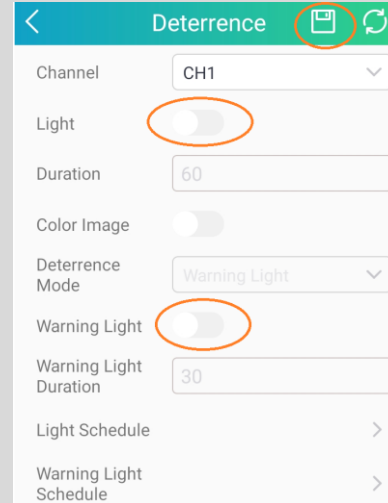



Press “Alarm”



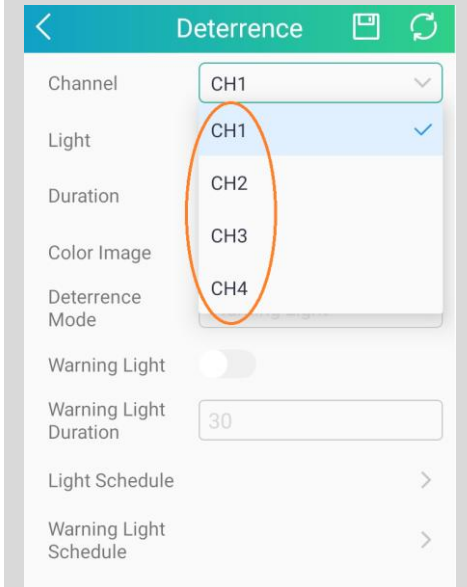
Press “Deterrence”


STEP 3



Make sure that
“Light” & “Warning
Light” swipe bars are
disabled. Press the  icon.

STEP 4



Click on the drop-down
arrow next to **channel**,
select CH2 and repeat
step 3. Repeat this
process for all channels.
Ensure you press  For each channel after
changing settings



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Ver 8.2.4