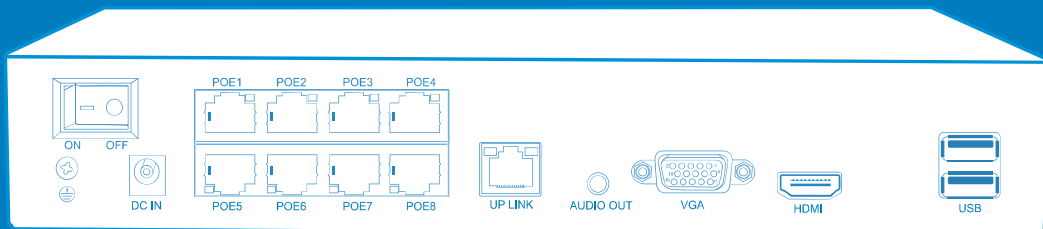
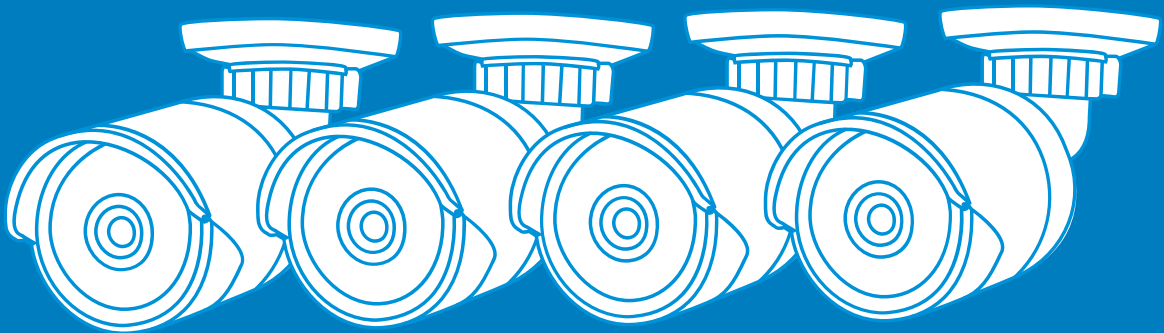


User Guide

PoE AI Camera System

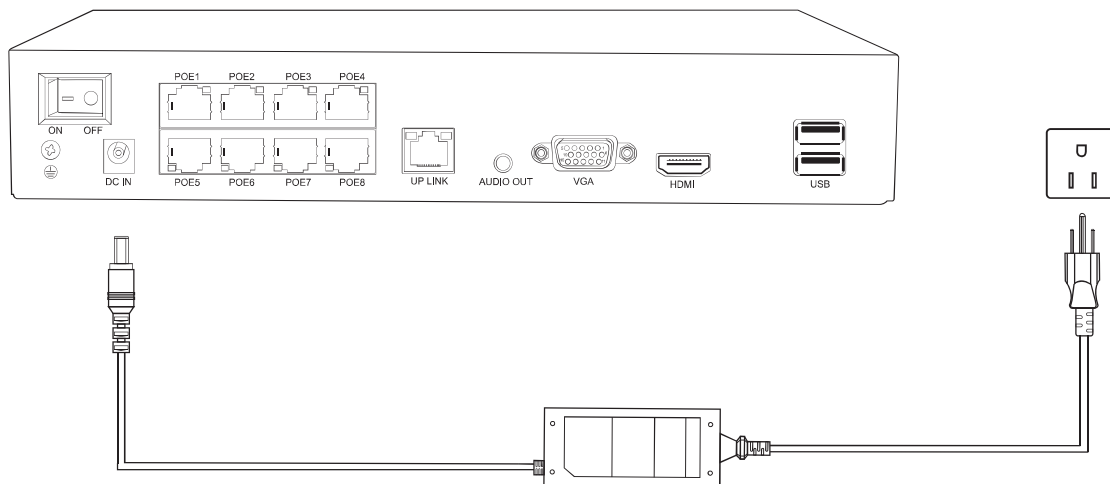
Security Expert for Your Home and Business



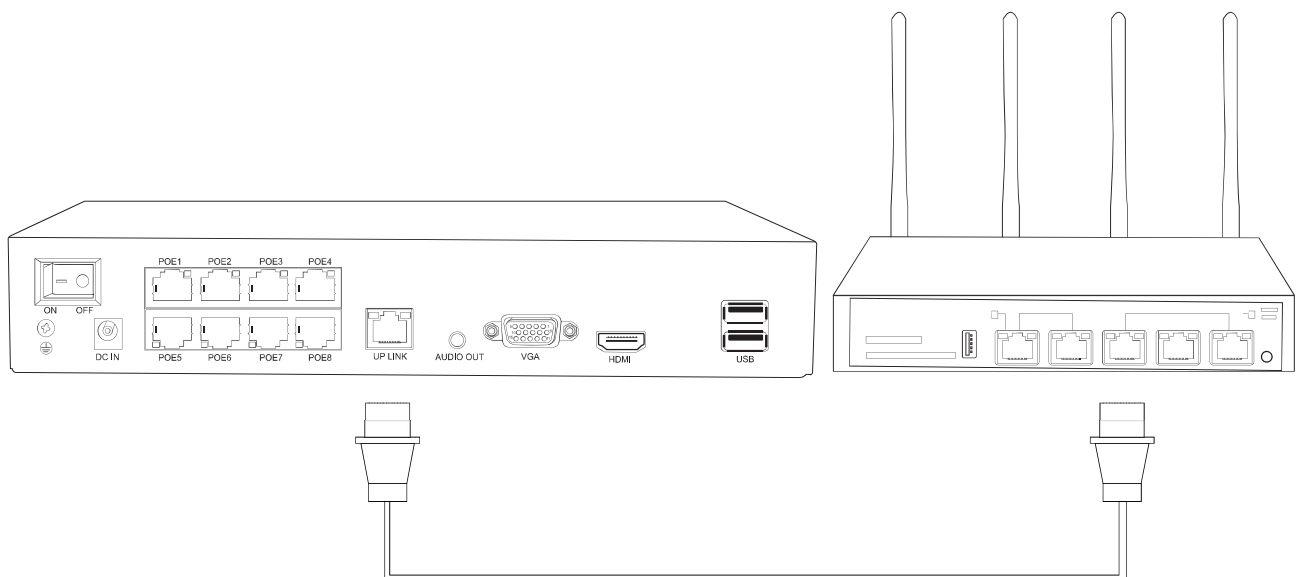
①	Getting Started	6
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How to Install

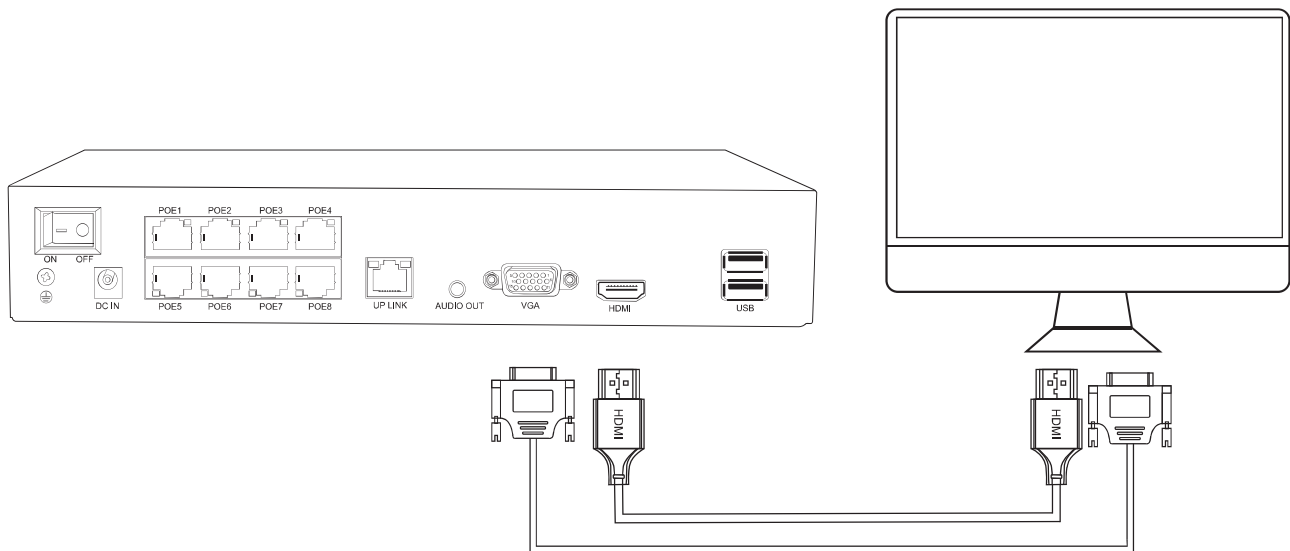
1. Power on the NVR with the 48V or 52V power adapter.



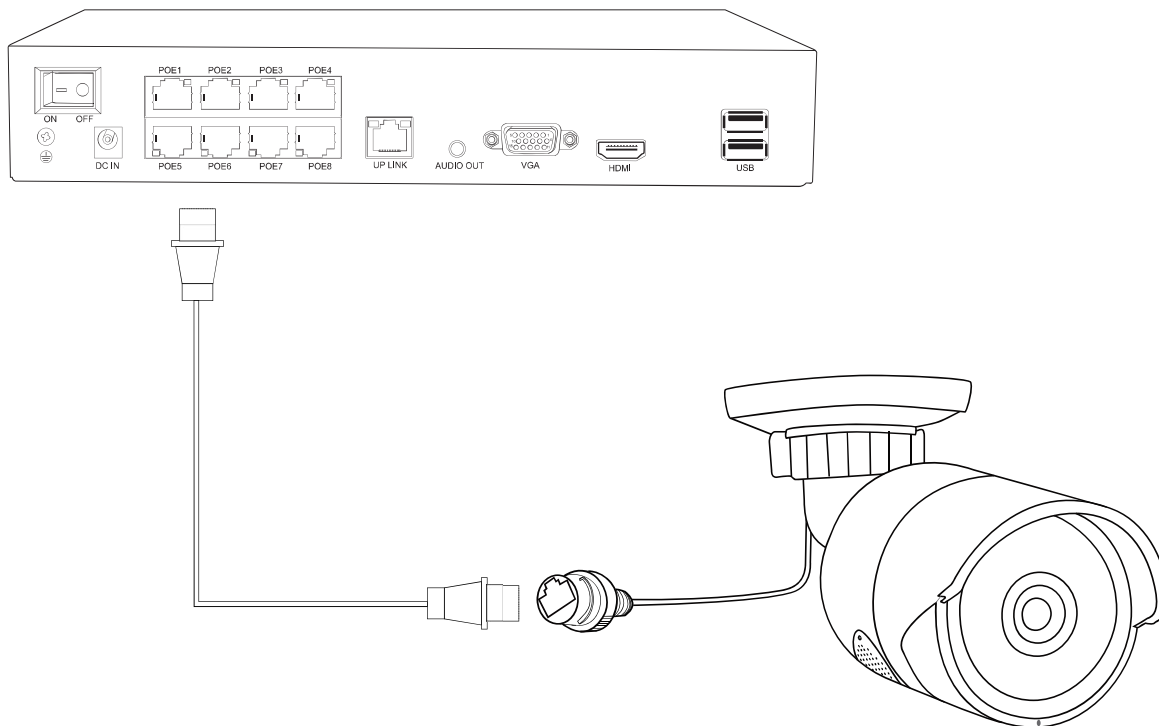
2. Connect your NVR to the router.



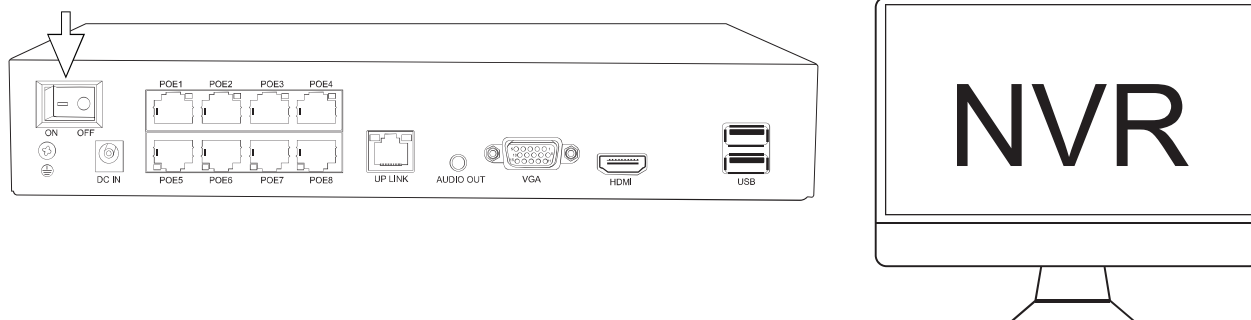
3. Connect the NVR to a monitor via VGA or HDMI cables.



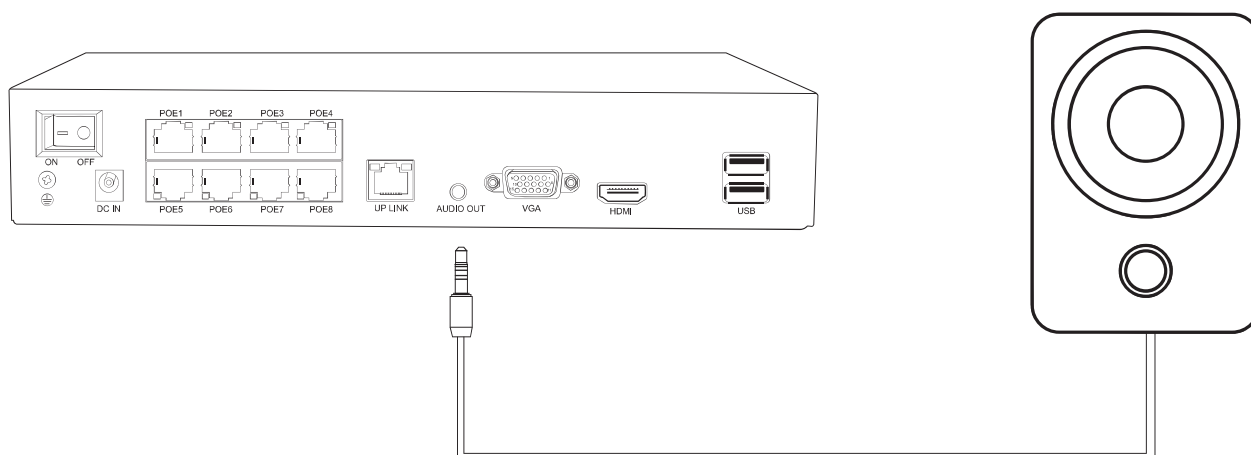
4. Connect the PoE Cameras to the NVR with the PoE Ethernet cables.



5. Switch on the NVR and turn on the monitor.

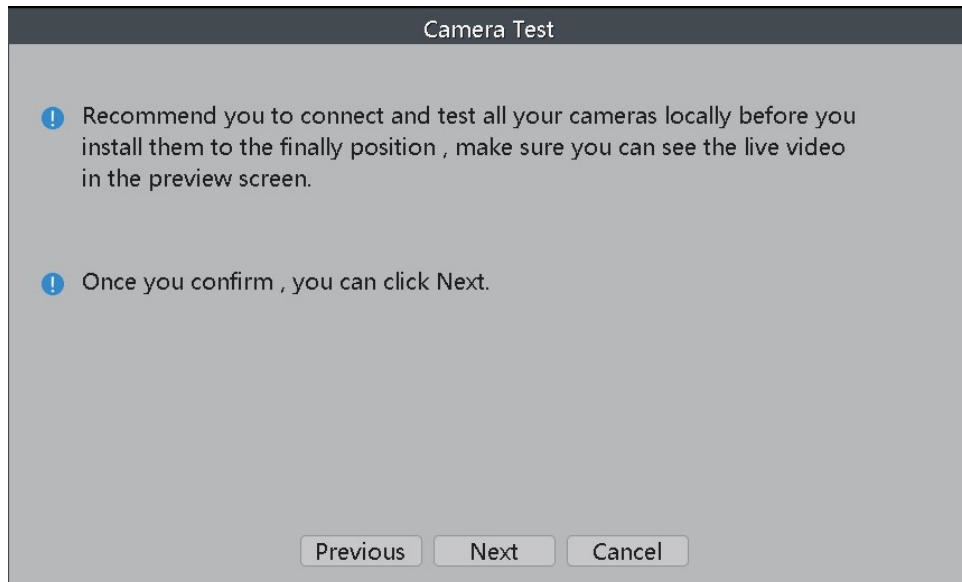


6. If your monitor doesn't have a speaker, you can connect a speaker to the 3.5mm "AUDIO OUT" port to get sound from the recorded video.



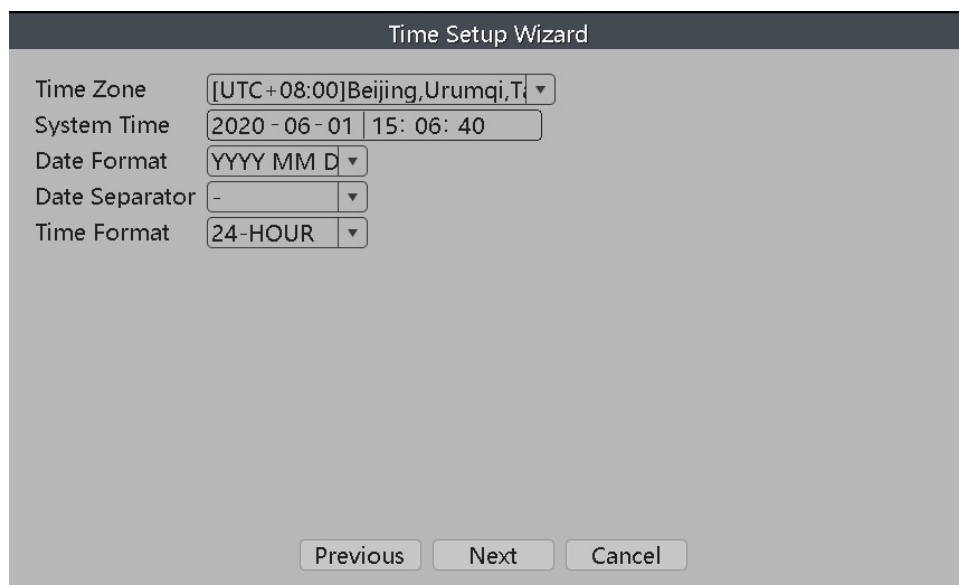
Getting Started

At your first login to the system, there will be a quick guide to help you set up the basic information of your NVR.



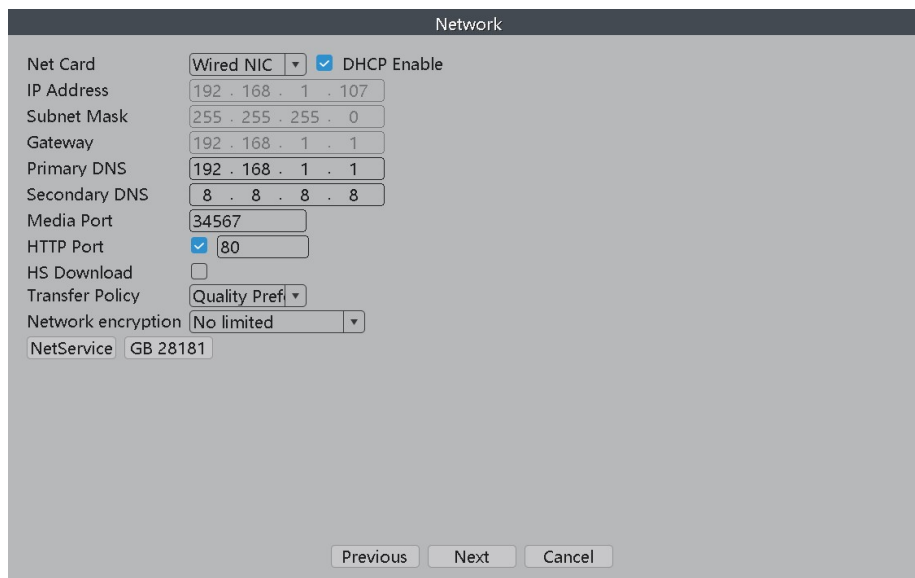
Time Setup

Please adjust the time and date to be the same as your local.



Network

On this page you could see the network information about your system. Click “Next” to continue.

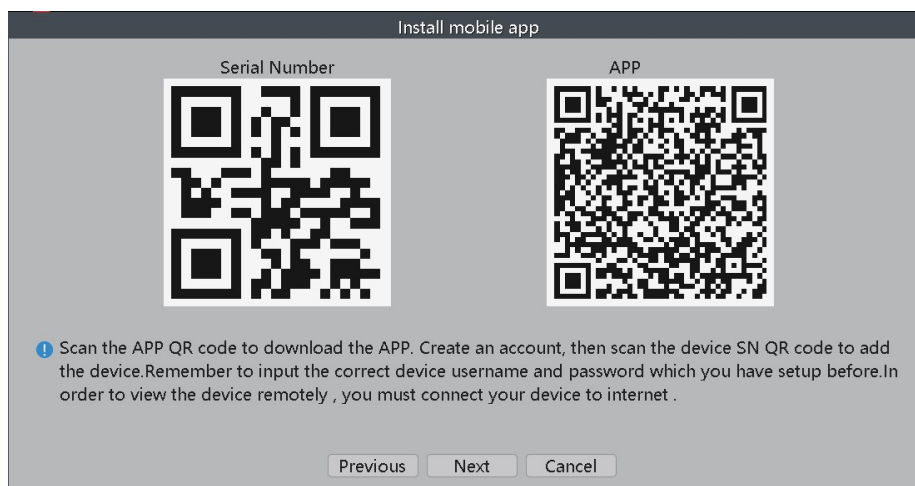


A screenshot of a 'Network' configuration window. It contains various settings for a network card, including IP address, subnet mask, gateway, DNS servers, media port, HTTP port, and transfer policy. The 'DHCP Enable' checkbox is checked. At the bottom, there are 'Previous', 'Next', and 'Cancel' buttons.

Field	Value
Net Card	Wired NIC
DHCP Enable	<input checked="" type="checkbox"/>
IP Address	192 . 168 . 1 . 107
Subnet Mask	255 . 255 . 255 . 0
Gateway	192 . 168 . 1 . 1
Primary DNS	192 . 168 . 1 . 1
Secondary DNS	8 . 8 . 8 . 8
Media Port	34567
HTTP Port	<input checked="" type="checkbox"/> 80
HS Download	<input type="checkbox"/>
Transfer Policy	Quality Pref
Network encryption	No limited
NetService	GB 28181

Install Mobile App

Scan QR code of the App to download the app. After the app is downloaded, please create your own profile account on the app. And then scan the QR code of the serial number of the NVR to add it into the app. Please ensure the NVR is online before you watch videos of it on the App.



A screenshot of an 'Install mobile app' window. It displays two QR codes: one for the 'Serial Number' and one for the 'APP'. Below the QR codes, there is an instruction to scan the APP QR code to download the app, create an account, and then scan the device SN QR code to add the device. At the bottom, there are 'Previous', 'Next', and 'Cancel' buttons.

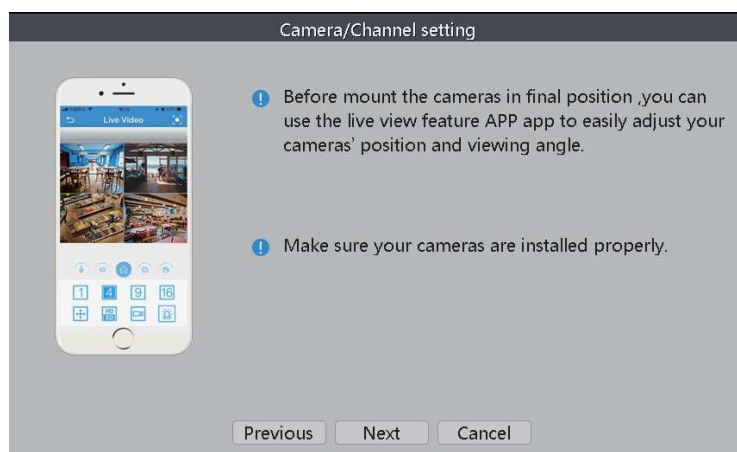
Serial Number

APP

! Scan the APP QR code to download the APP. Create an account, then scan the device SN QR code to add the device. Remember to input the correct device username and password which you have setup before. In order to view the device remotely, you must connect your device to internet.

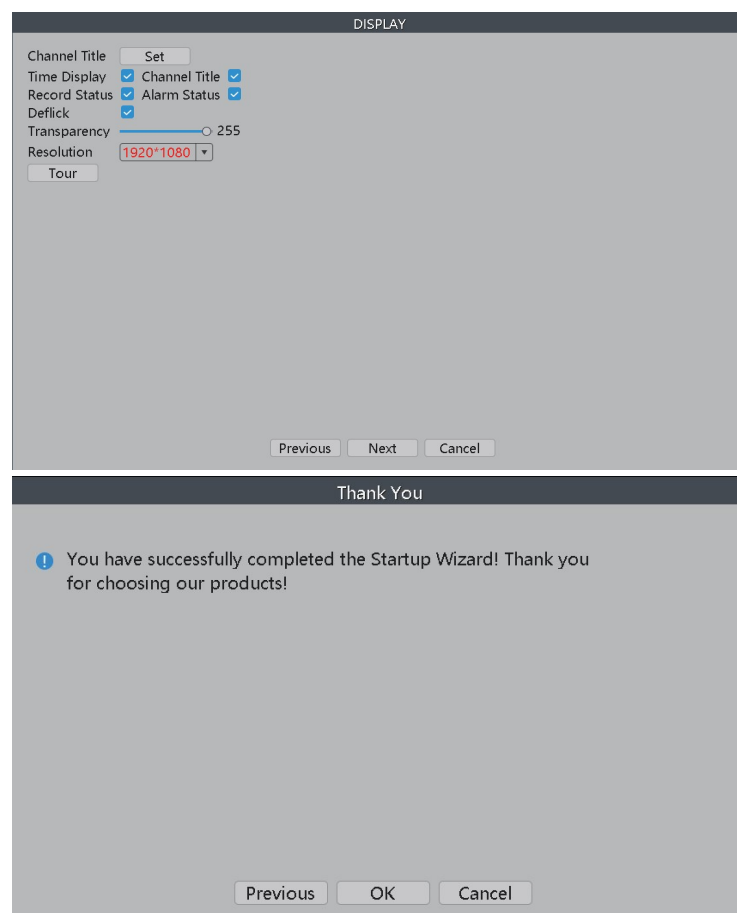
Camera/Channel Setting

Before installing your cameras to the final position, please check and adjust the position and the angle of the cameras.



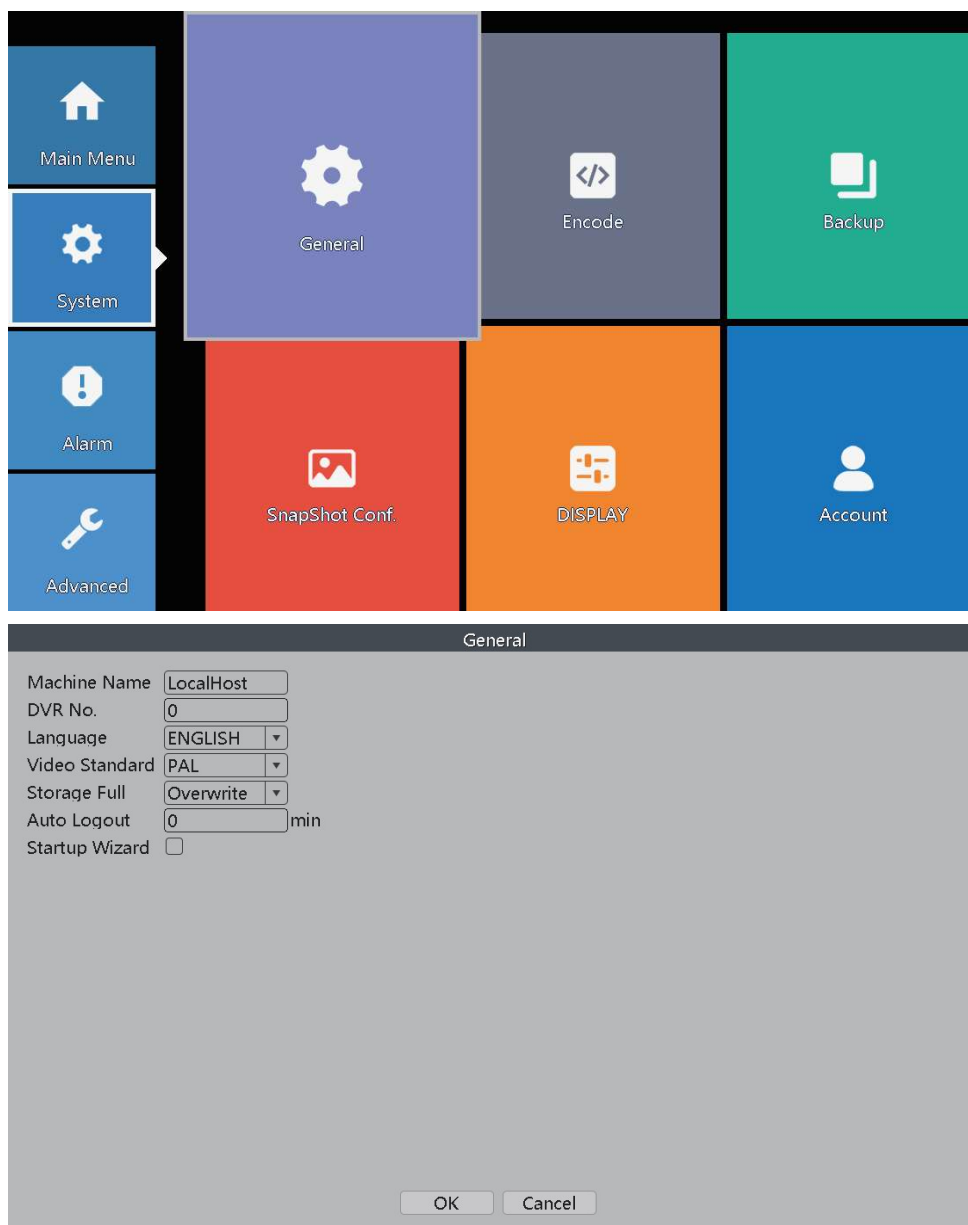
Display

Adjust the display settings of the monitor images.



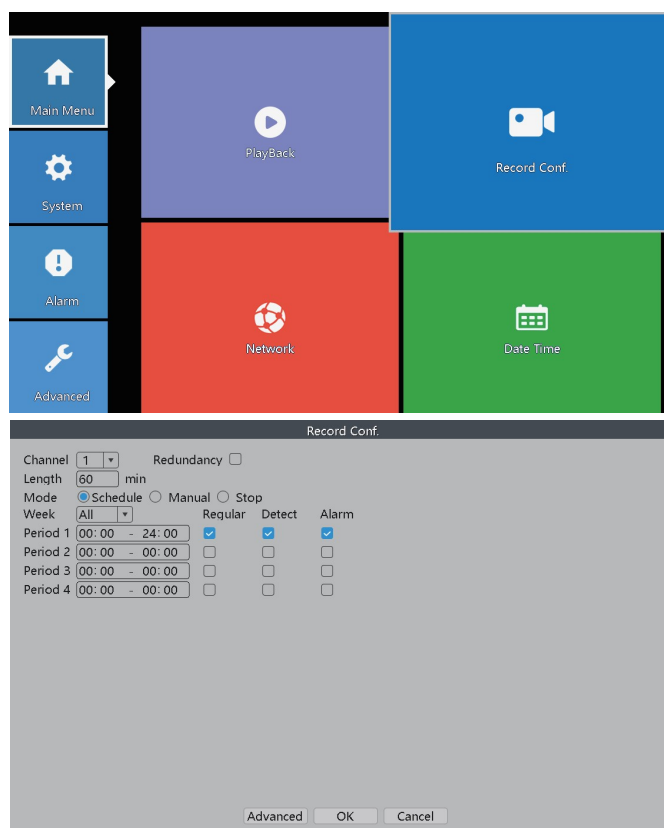
General Setting

In the General Settings, you can change the language , the action when the storage is full and the auto logout intervals if you want to get a better protection of your NVR.



Record Configuration

In the Record Configuration, you can set up the record mode for each channel to save space of the HDD and only record the important videos.



Channel: The channel which you want to do settings of record configuration.

Length: The standard length of each video segment.

Mode: The way you want to record videos.

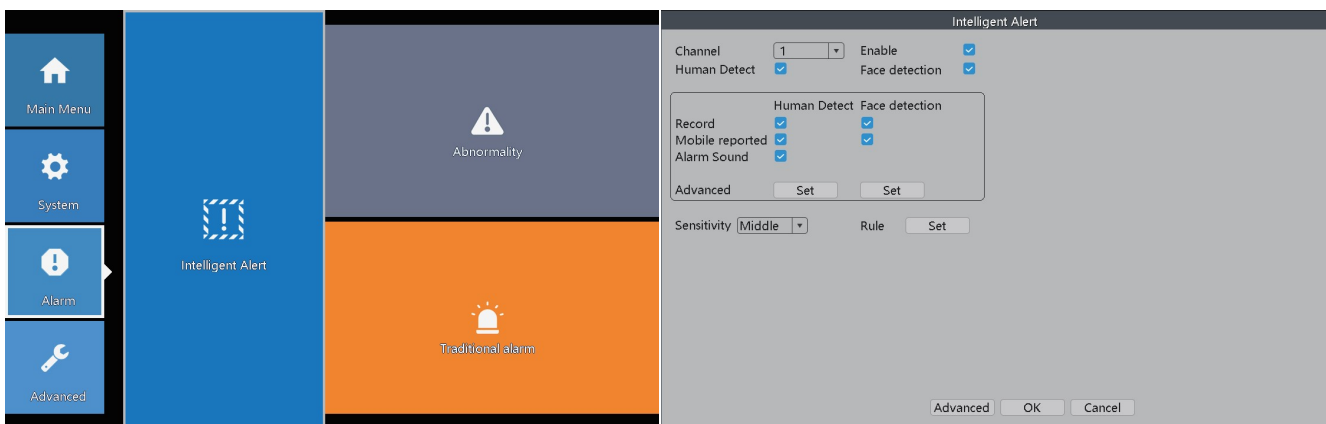
- ▶ **Schedule:** The selected channel will only record during the chosen time period.
 - **Regular:** The system will keep recording during the chosen time period.
 - **Detect:** The system will record a video segment when the camera detects movements during the chosen time period.
 - **Alarm:** The system will record a video segment when the camera alarms. During the chosen time period.
- ▶ **Manual:** The selected channel will record 24/7.
- ▶ **Stop:** The selected channel will not record any video.

**Notice: If you would like to set the recording mode to "Alarm", please make sure that you have enabled the alarm function of the corresponding channel.*

Alarm

Intelligent Alert

The AI smart security camera system supports intelligent alerts, such as human detection and face detection. In order to adjust the related settings, please enter “Intelligent Alert” in “Alarm” menu.



- Channel: Choose the camera which you want to do alert settings.
- Enable: When you tick off it, the camera will not detect any movements.
- Human Detect: The camera will detect human activities by recognizing humanoid body shape.
- Face Detection: The camera will detect human face when this is ticked.
- Record: When this option is ticked on, the camera will record a video segment when human detected.
- Mobile Reported: When it is ticked on, the camera will send alert notifications to your mobile app when it detects movements or human activities.
- Alarm Sound: When it is ticked on, the camera will sound a voice alarm when it detects movements or human activities.
- Sensitivity: Adjust the detection sensitivity of the camera.
- Rule: Set advanced detection rules like safe zone or line cross alarm.

**Notice: If the “Enable” option is on and the “Human Detect” is off, the camera will detect all movements, including pets, vehicles, plants, trees, etc. Therefore, we recommend you to active “Human Detect” to reduce false alerts. It shows that “Human Detect” function can reduce 98%-99% of the false alerts.*

Advanced Settings of Human Detection

Advanced

Period MD Interval Sec.

PostRec Sec.

Tour ☐ Snapshot ☒

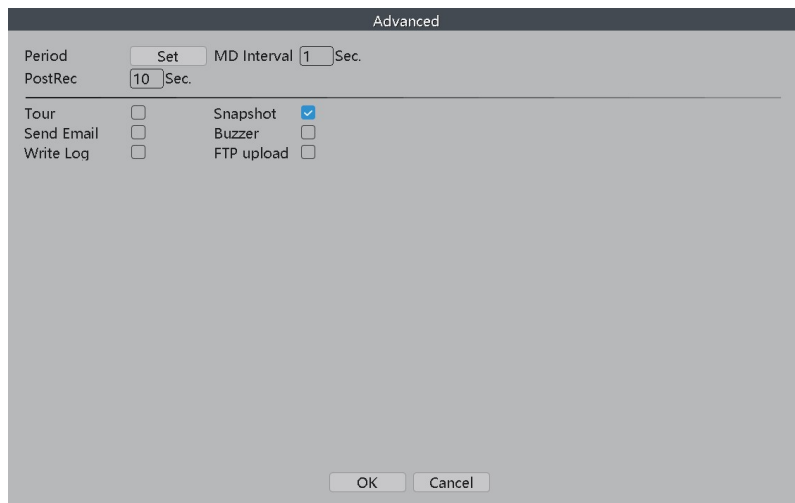
Send Email ☐ Buzzer ☐

Write Log ☐ FTP upload ☐

Voice Prompts

- Period: The time period of the detection.
- MD Interval: The interval between 2 human motion movements alerts.
- PostRec: To adjust the length of the video after the camera detects abnormal movements.
- Tour: Not applicable.
- Snapshot: When it is ticked on, the camera will take snapshots when it detects abnormal movements.
- Send Email: When it is ticked on, the camera will send alerts to your e-mail address.
- Buzzer: When it is ticked on, the NVR will make beeps alarm after the camera detects abnormal movements.
- Write Log: When it is ticked on, the NVR will note down the alarm record. You can review the records by following this path: Right-Click Menu > Main Menu > Advanced > LOG.
- FTP Upload: Not Applicable.
- Voice Prompts: To choose the different alarm sounds for the voice prompts.

Advanced Settings of Face Detection



- Period: To Set the time period of detection.
- MD Interval: The interval between 2 alerts.
- PostRec: To adjust the length of the video after the camera detects abnormal movements.
- Tour: Not applicable.
- Snapshot: When this option is on, the camera will take snapshots when it detects abnormal movements.
- Send Email: When this option is on, the camera will send alerts to your e-mail address.
- Buzzer: When this option is on, the NVR to sound alarm when the camera detects abnormal movements.
- Write Log: When this option is on, the NVR will note down the alarm record. You can review the records by following this path: *Right-Click Menu > Main Menu > Advanced > LOG*.
- FTP Upload: Not Applicable.

On screen of the monitor with live video , you can view the human faces detected by the cameras. You can easily and quickly get whether the persons detected by the camera are your friends or an intruder. If it is an intruder, the face detection function can help take some actions as soon as possible to protect your safety and property. Please follow the path below to enable the “*Face Detection*”.

Right-Click Menu > Face Detection

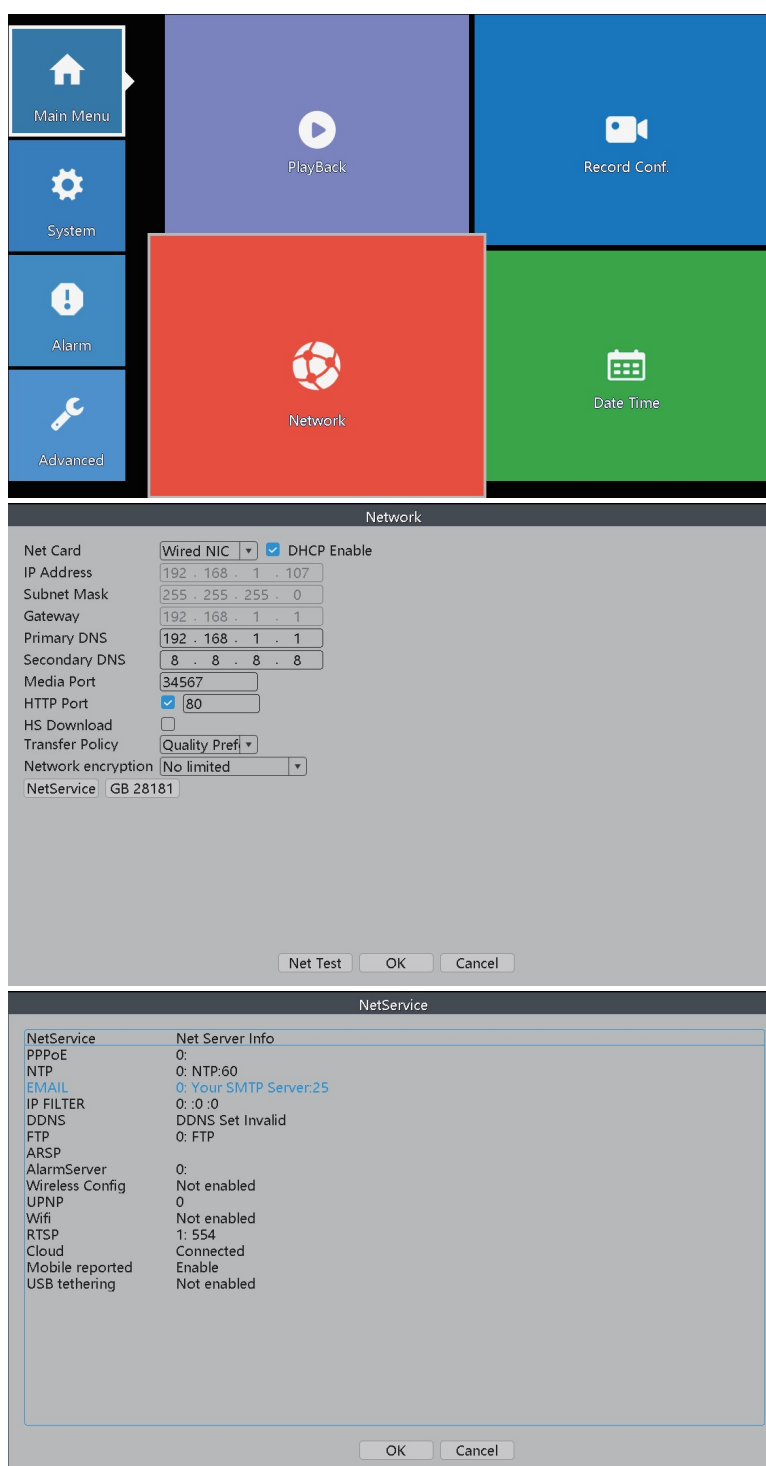


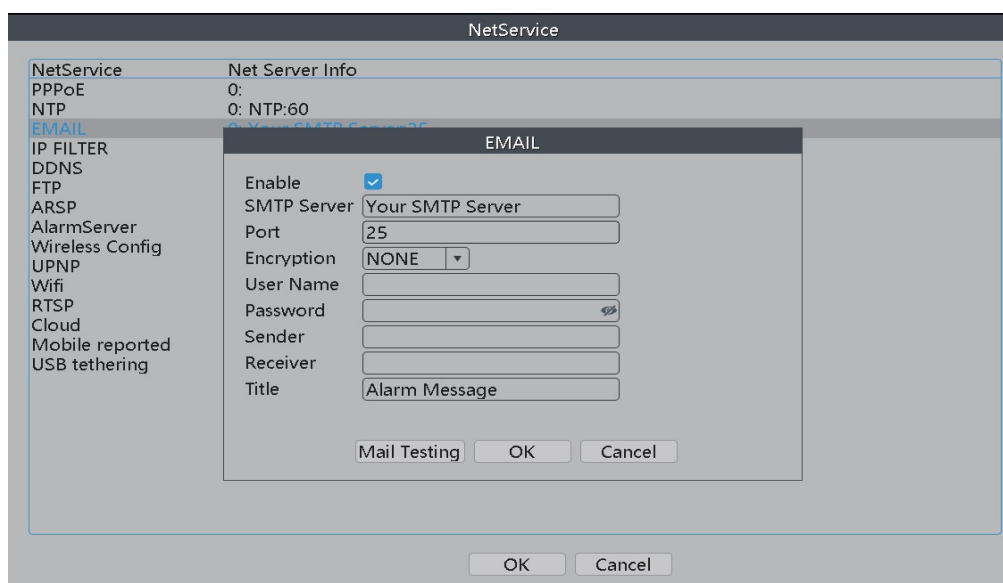
When the cameras detect human faces, the NVR will show you these faces on the right side of the screen like the image above.

How to Set Up Your Email to Receive Alert Notifications

Please follow the paths below to set up the email which you want to get alerts from the security camera system.

Right-Click Menu > Main Menu > Network > Net Service > EMAIL (Please DOUBLE CLICK on "EMAIL" to enter the setting interface)





Please enter the required information of your emails in the “User Name” “Sender” and “Receiver”. If you want to receive the alert notifications with an email different from sender email address, you can input a different email in the “Receiver”. In the “Password”, you need a 16 digits App password. Let’s take “Gmail” as an example to show you how to get this password.

**Notice: Each e-mail service provider has its own SMTP server, port and encryption. You can find these information easily on Google. In this manual, we will show you these information of several common used e-mail service. camera is lost connection.*

Gmail

SMTP: smtp-relay.gmail.com

Port: 25, 465 or 587

Encryption: SSL or TLS

Hotmail

SMTP: smtp.live.com

Port: 25 or 465

Encryption: SSL or TLS

Outlook

SMTP: smtp.office365.com

Port: 587

Encryption: TLS

Yahoo

SMTP: smtp.mail.yahoo.com

Port: 465

Encryption: SSL or TLS

iCloud

SMTP: smtp.mail.me.com

Port: 587


Encryption: SSL or TLS

How To Get 16-Digit App Password

Enable IMAP access of your e-mail.

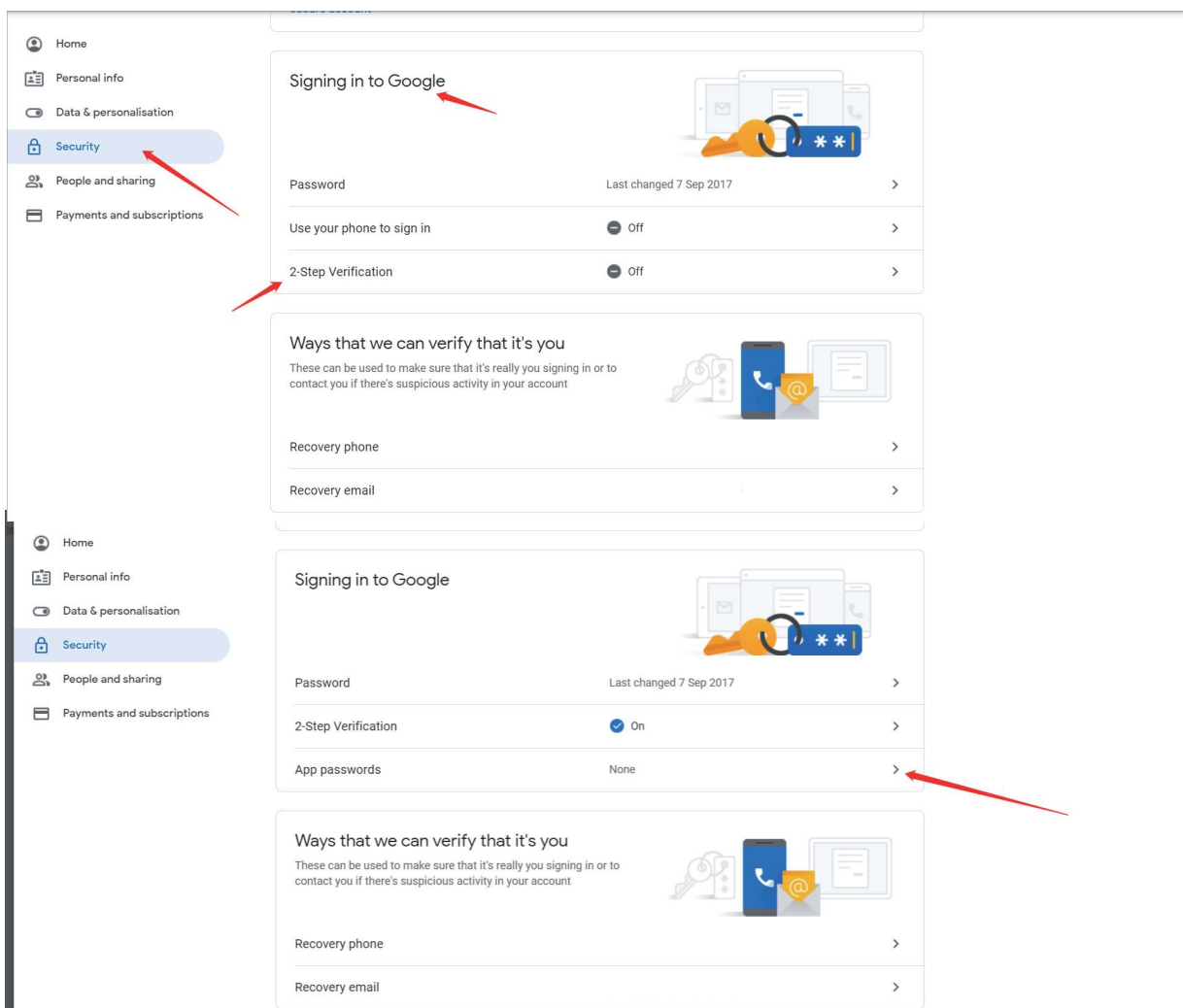
3. Configure your email client (e.g. Outlook, Eu Configuration instructions

other clients using **Status: IMAP is enabled**

☒ Enable IMAP 

☐ Disable IMAP

Log into your Google account. In “Security” section, find “Signing in to Google”. If the “2-Step Verification” is off, please enable it.



Enter “App passwords”. Select the app and device for which you want to generate the app password, or you can name your own app and device, then click “GENERATE”.

← App passwords

App passwords let you sign in to your Google Account from apps on devices that don't support 2-Step Verification. You'll only need to enter it once so you don't need to remember it. [Learn more](#)

You don't have any app passwords.

Select the app and device for which you want to generate the app password.

Select app ▼

Select device ▼

GENERATE

← App passwords

App passwords let you sign in to your Google Account from apps on devices that don't support 2-Step Verification. You'll only need to enter it once so you don't need to remember it. [Learn more](#)

You don't have any app passwords.

Select the app and device for which you want to generate the app password.

Techage Security System X

GENERATE

You will get a 16 digits password, this is the password you need to use later to set up your e-mail notice in NVR system.

← App passwords

Generated app password

Your app password for your device

XXXX XXXX XXXX XXXX

How to use it

Go to the settings for your Google Account in the application or device you are trying to set up. Replace your password with the 16-character password shown above. Just like your normal password, this app password grants complete access to your Google Account. You won't need to remember it, so don't write it down or share it with anyone.

DONE

Email

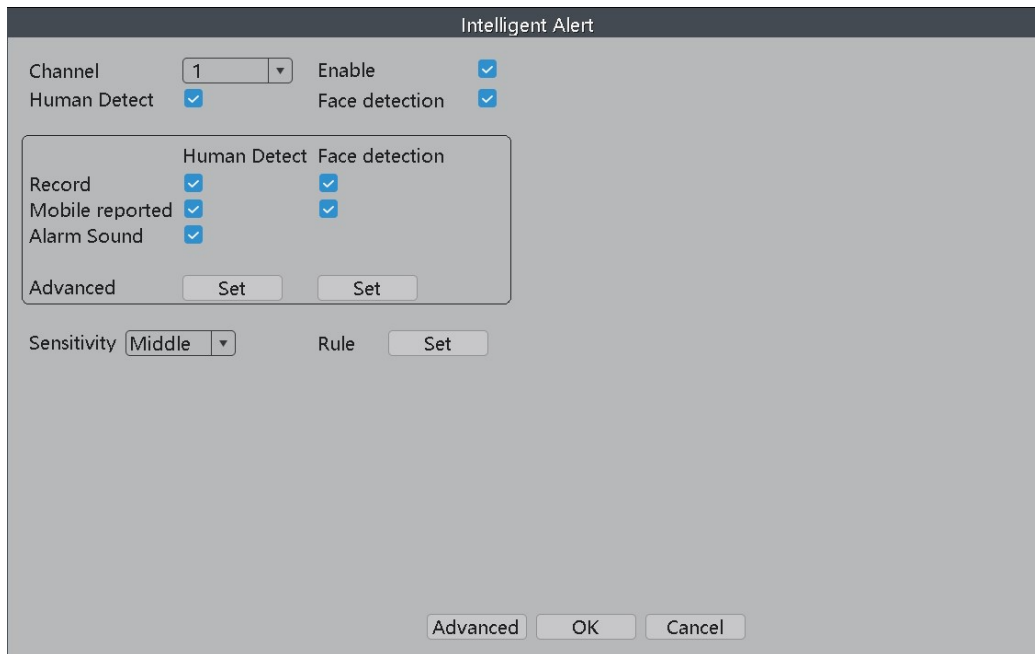
abc@gmail.com

Password

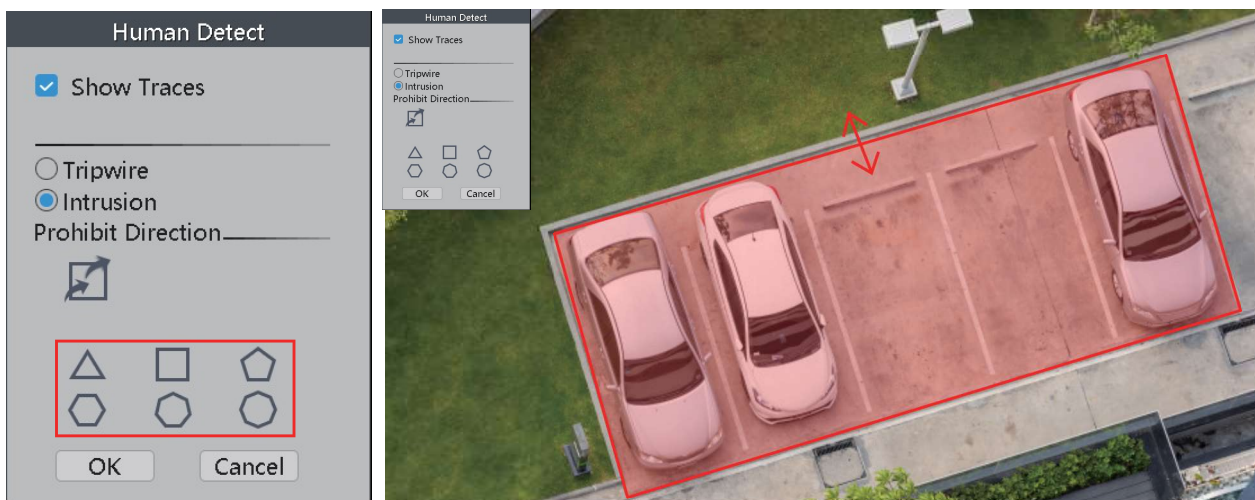
* Notice: You are not able to review the password after you click “DONE” so please note it down or leave this page open.

Rule - Safe Zone & Line Cross Alarm

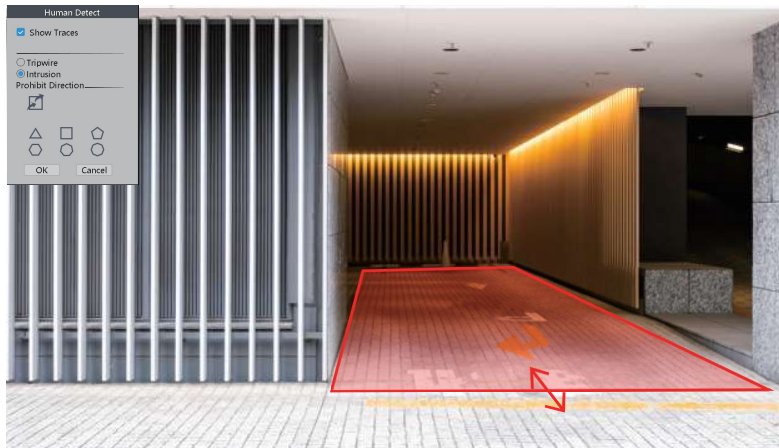
We can set up a safe zone for our camera. The camera will only detect or sound alarm when there's abnormal activities in the safe zone. Click on the "Set" button next to "Rule".



Choose the safe zone shape which you would like to use. In this user manual, we use rectangle as example.



Click & hold the sides of the triangle then drag the sides to change the shape and the size of the safe zone.



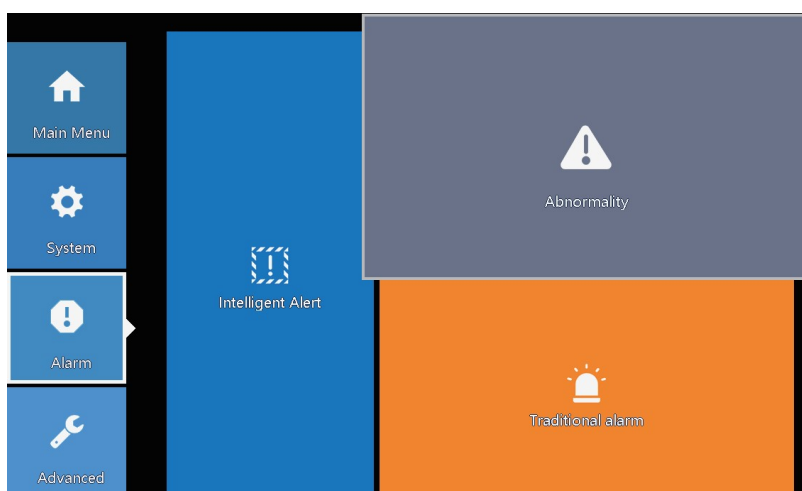
We can also choose other size such as circle to protect our valuable objects.



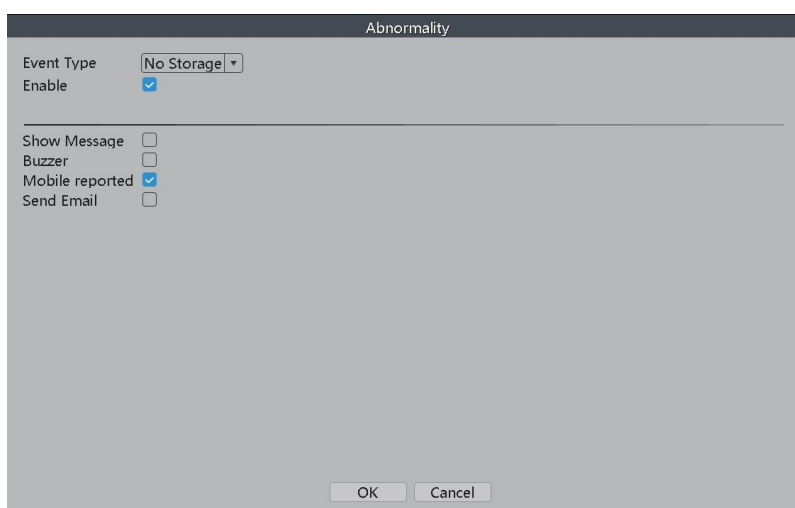
When we choose “*Tripwire*” in stead of “*Intrusion*”, there will be a line on the screen and the camera will only detect or sound alarm when people cross this line.



Abnormality



In this part, we can set the alarm for other events.



In the “*Event Type*”, there are several options:

No Storage: The NVR can't detect HDD.

Storage Device Error: The NVR detects that the HDD is not working correctly.

Storage No Space: The HDD is full.

Net Disconnection: The NVR is disconnected to the Internet.

IP Conflict: The NVR that there are other devices in the LAN using the same IP address.

You can also choose different notification type:

Show Message: The error message will show on the monitor screen.

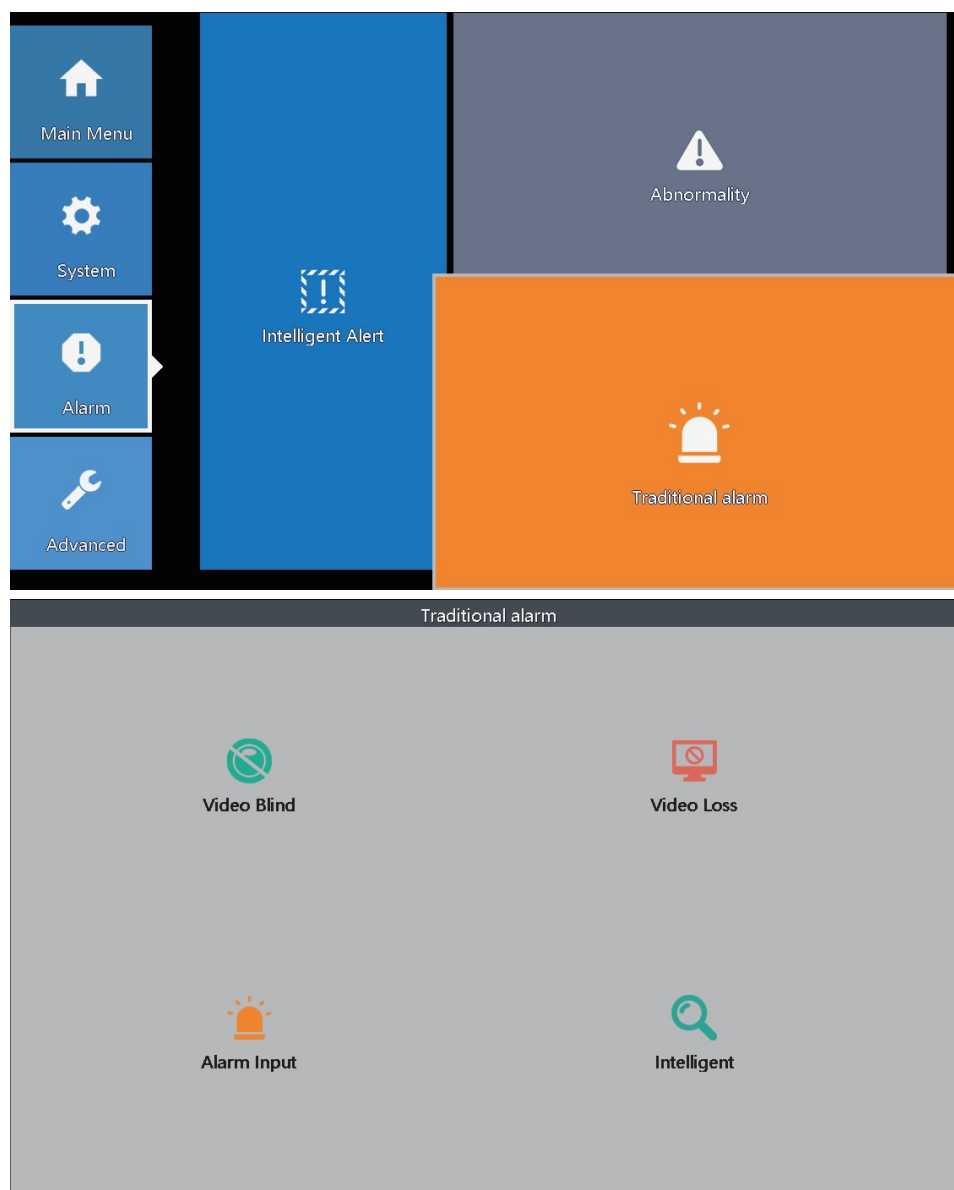
Buzzer: The NVR will sound alarm.

Mobile Reported: The NVR will send error message to the App.

Send Email: The NVR will send error message to your e-mail address.

Traditional Alarm

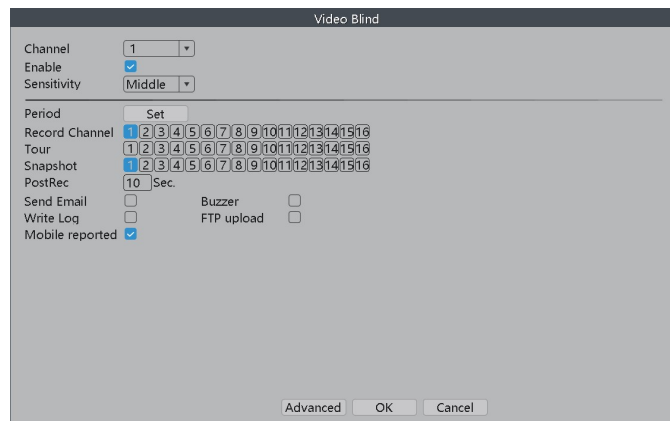
In this part, we can set the alarm for other events.



In this part, we can adjust the settings for other alarm types.

- | | |
|--------------|---|
| Video Blind: | The camera is covered and blinded. |
| Video Loss: | The camera loses connection with the NVR. |
| Alarm Input: | The alarm input from the cameras. |
| Intelligent: | Not Applicable. |

Video Blind



Channel: Choose the right channel of which you would like to adjust the settings.

Enable: The master switch of the video blind alarm.

Sensitivity: Change the sensitivity level of the video blind alarm.

Period: Set up the time period during which you would like the video blind alarm to function.

Record Channel: Set up the channels which you would like them to record videos after the video blind alarm is triggered.

**e.g. You have set channel 1 and channel 2 to record videos in "video blind" interface. One day, a burglar walks to your front door and your channel 1 camera sounds an alarm. The burglar covers the camera with his jacket and run to your driveway, where your channel 2 camera is installed. When the video blind alarm is triggered by channel 1, because you have set channel 2 to record videos too, so the channel 2 camera will also record videos and you will have videos with multiple angles of this burglar. These evidence will help police officers to catch this criminal.*

Tour: Not applicable.

Snapshot: Set up the channels which you would like them to take snapshots after the video blind alarm is triggered.

PostRec: The length of the video blind alarm video.

Send Email: If this option is on, the NVR will send alert notification to your e-mail address when the video blind alarm is triggered.

Buzzer: If this option is on, the NVR will sound alarm when the video blind alarm is triggered.

Write Log: If this option is on, the NVR will note down the alarm record. You can review the records by following this path: *Right-Click Menu > Main Menu > Advanced > LOG*

FTP Upload: If this option is on, the NVR will sound alarm when the video blind alarm is triggered.

Mobile Reported: If this option is on, the NVR will send alert notification to the App when the video blind alarm is triggered.

Video Loss

Channel: 1

Enable: ☒

Period: Set

Record Channel: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Tour: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Snapshot: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

PostRec: 10 Sec.

Send Email: ☐ Buzzer: ☐

Write Log: ☐ FTP upload: ☐

Mobile reported: ☒

Advanced OK Cancel

Channel: Choose the right channel of which you would like to adjust the settings.

Enable: The master switch of the video loss alarm.

Period: Set up the time period during which you would like the video loss alarm to function.

Record Channel: Set up the channels which you would like them to record videos after the video loss alarm is triggered.

Tour: Not applicable.

Snapshot: Set up the channels which you would like them to take snapshots after the video loss alarm is triggered.

PostRec: The length of the video loss alarm video.

Send Email: If this option is on, the NVR will send alert notification to your e-mail address when the video loss alarm is triggered.

Buzzer: If this option is on, the NVR will sound alarm when the video loss alarm is triggered.

Write Log: If this option is on, the NVR will note down the alarm record. You can review the records by following this path: *Right-Click Menu > Main Menu > Advanced > LOG*

FTP Upload: Not applicable.

Mobile Reported: If this option is on, the NVR will send alert notification to the App when the video loss alarm is triggered.

Alarm Input

Alarm Input

Type: IPC Alarm

AlarmIn: 1

Enable: ☒

Type: Normal

Period: Set MD Interval: 1 Sec.

Record Channel: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Tour: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Snapshot: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

PostRec: 10 Sec.

Send Email: ☐ Buzzer: ☐

Write Log: ☐ FTP upload: ☐

Mobile reported: ☒

Advanced OK Cancel

Type: Not applicable.

AlarmIn: The source of the input alarm.

Enable: The master switch of the alarm input alert.

Period: Set up the time period during which you would like the alarm input alert to function.

MD Interval: The interval time of each alarm.

Record Channel: Set up the channels which you would like them to record videos after the alarm input alert is triggered.

Tour: Not applicable.

Snapshot: Set up the channels which you would like them to take snapshots after the alarm input alert is triggered.

PostRec: The length of the alarm input alert video.

Send Email: If this option is on, the NVR will send notification to your e-mail address when the alarm input alert is triggered.

Buzzer: If this option is on, the NVR will sound alarm when the alarm input alert is triggered.

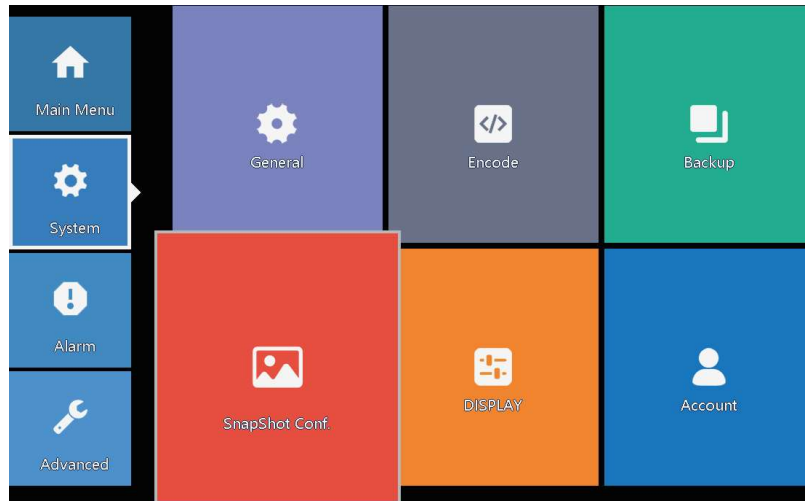
Write Log: If this option is on, the NVR will note down the alarm record. You can review the records by following this path: *Right-Click Menu > Main Menu > Advanced > LOG*

FTP Upload: Not applicable.

Mobile Reported: If this option is on, the NVR will send notification to the App when the alarm input alert is triggered.

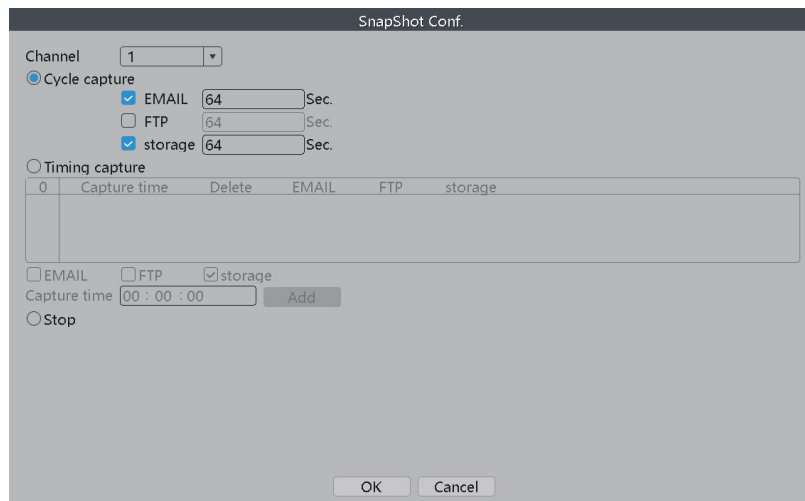
Snapshot Configuration

In “*Snapshot Configuration*”, we can set our cameras to take snapshots.



Cycle Capture

When we choose “*Cycle Capture*”, the camera will take snapshots periodically. For example, the default snapshot period is 64 seconds, it means the camera will automatically take snapshot every 64 seconds.



EMAIL: When this option is on, the NVR will send the snapshots captured by the cameras to your e-mail address.

FTP: Not applicable.

Storage: When this option is on, the NVR will store the snapshots captured by the cameras in the HDD.

Timing Capture

When we choose “*Timing Capture*”, the camera will take snapshots at the time that we set.

SnapShot Conf.

Channel

☐ Cycle capture

☒ EMAIL Sec.

☐ FTP Sec.

☒ storage Sec.

☒ Timing capture

	Capture time	Delete	EMAIL	FTP	storage
1	00:00:00	✗	*		*
2	00:01:00	✗	*		*

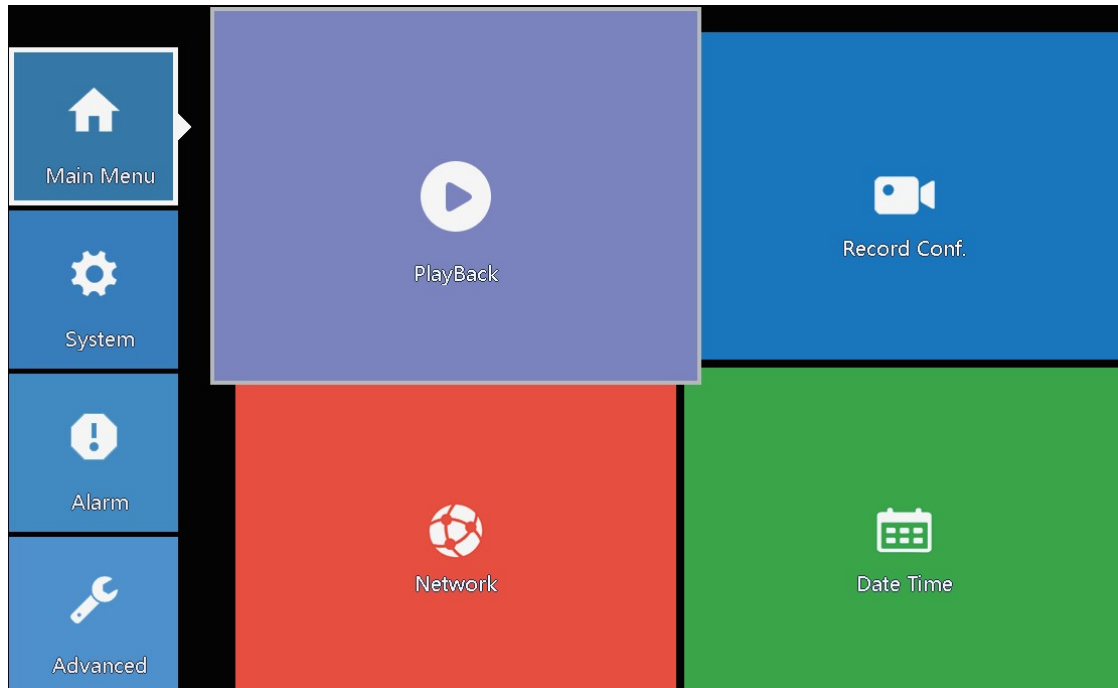
☒ EMAIL ☐ FTP ☒ storage

Capture time

☐ Stop

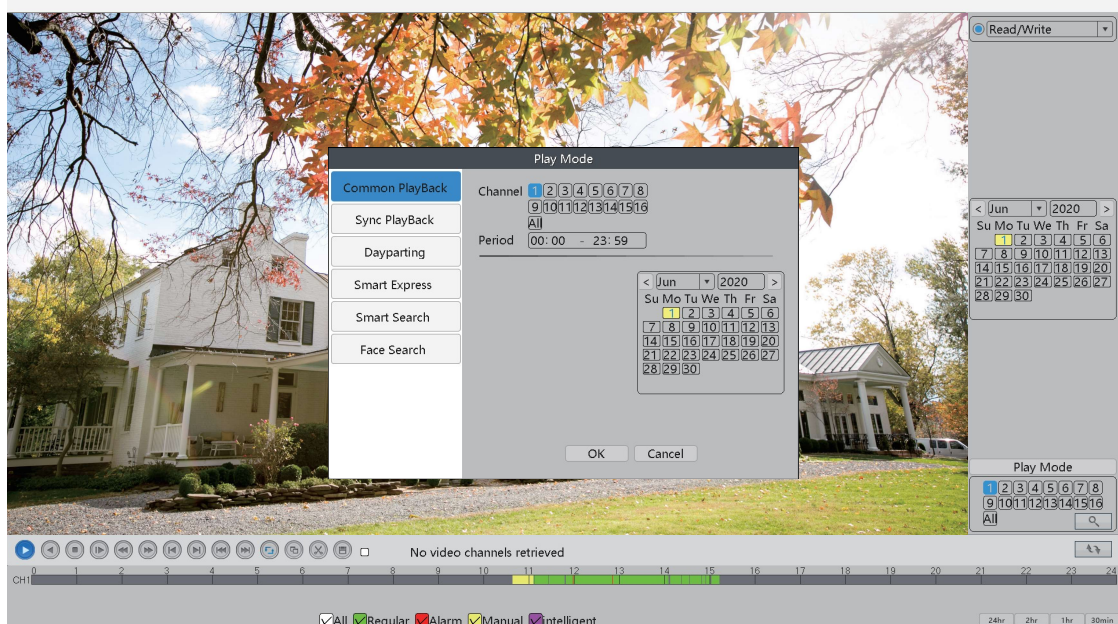
Playback

In this part, we can review the video records taken by the cameras.

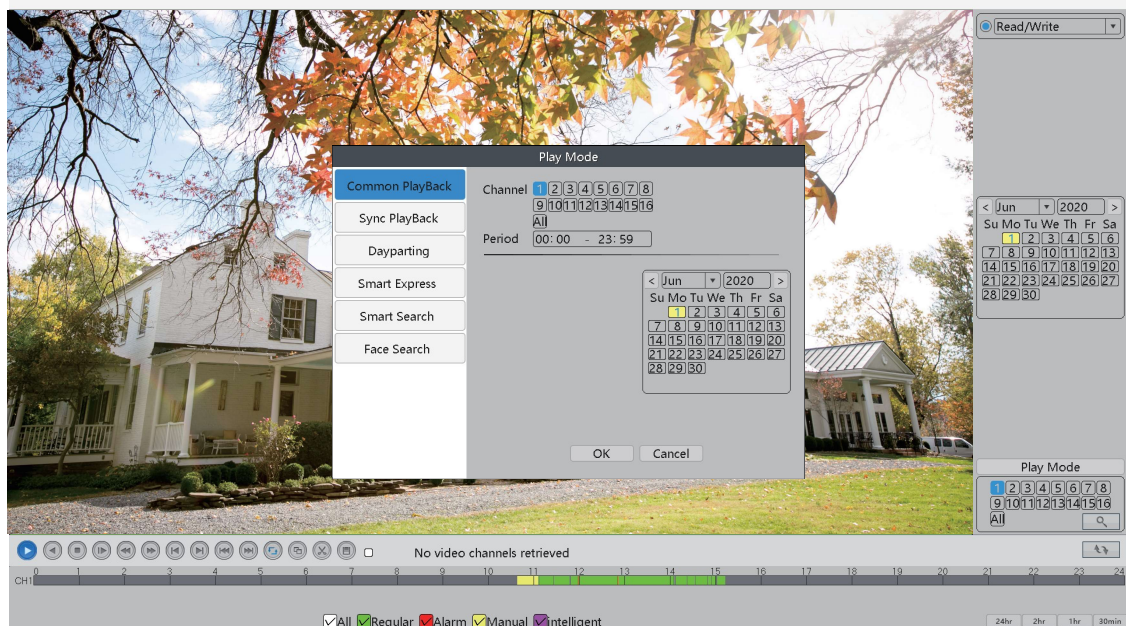


There are 6 different playback modes:

- Common Playback: You can review all the video records.



- Common Playback: You can review all the video records.



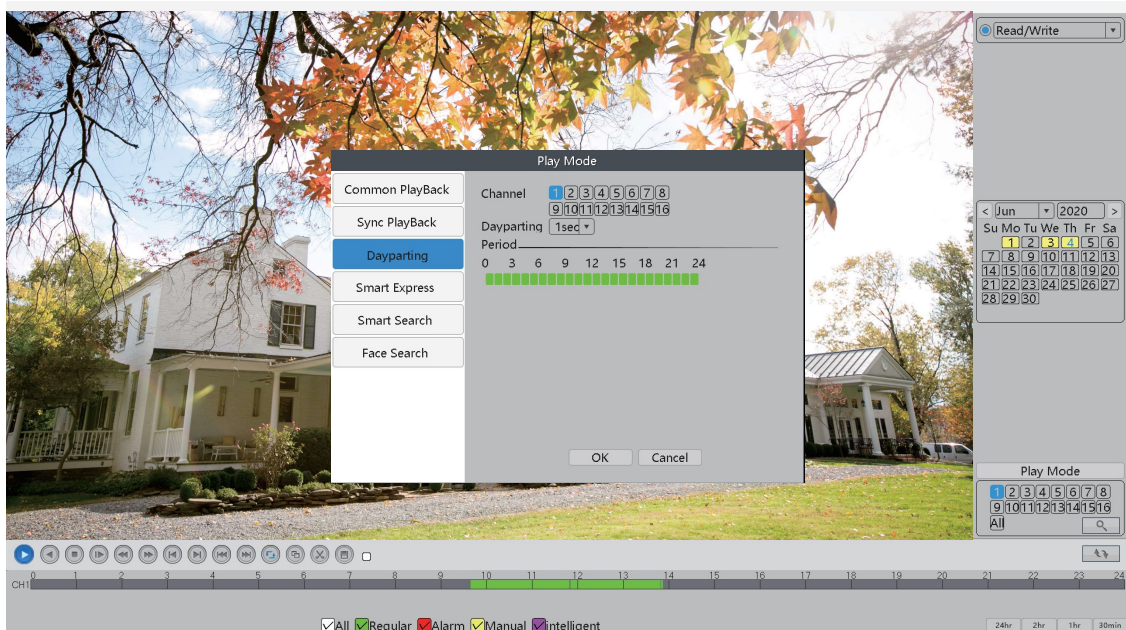
**e.g.:*

On May 1st, you only have your channel 1 recording videos;

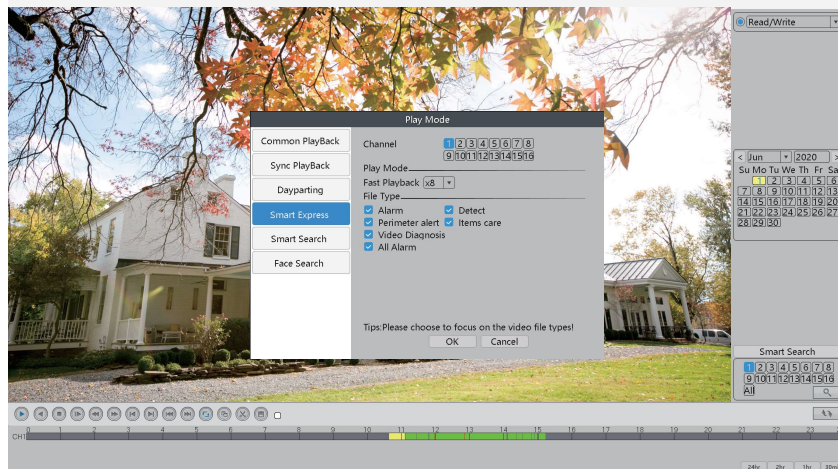
On May 2nd, You have your channel 1 and your channel 2 recording videos;

In “Common Playback”, you will see that there are records on May 1st and on May 2nd;

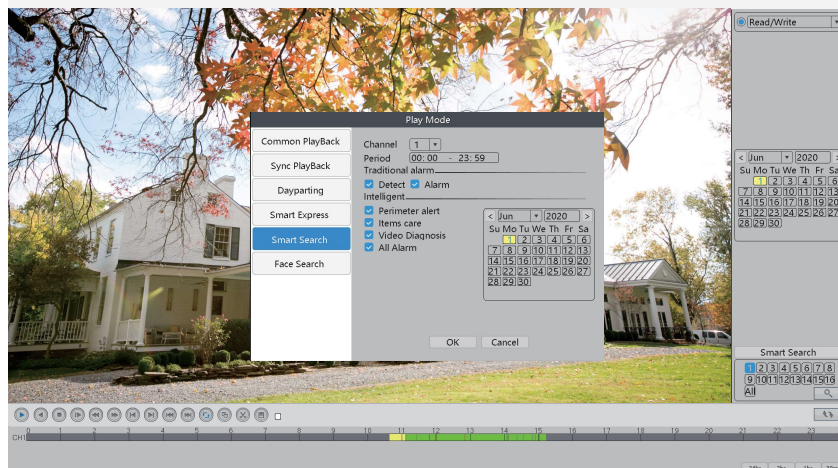
- Dayparting: You can review the video records of the chosen channels during the selected period.



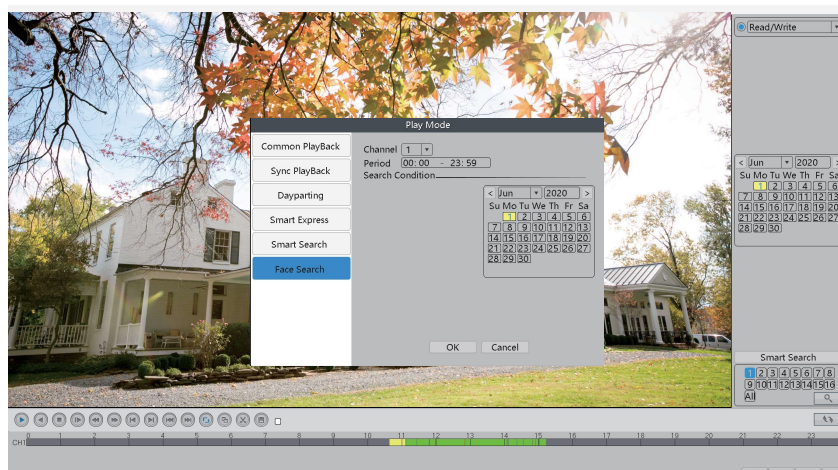
·Smart Express: The selected alarm type videos will play at normal speed. The remaining videos will speed up to save your time.



·Smart Search: You can review the video playback of the selected alarm type within the selected time period.



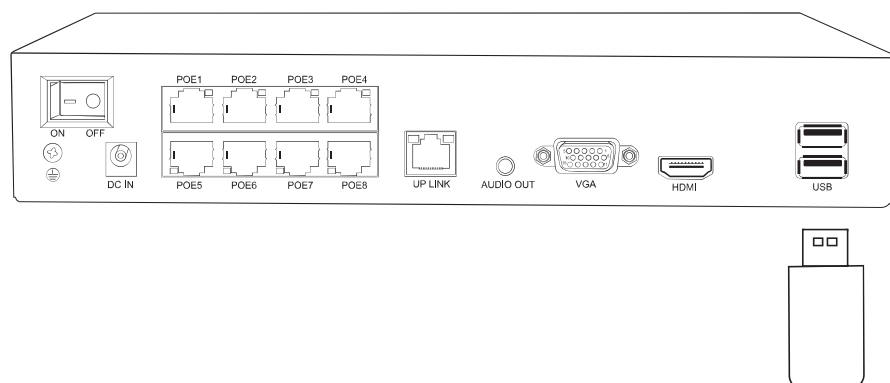
·Face Search: You can review the video playback of detected human faces in the selected time period.



Backup

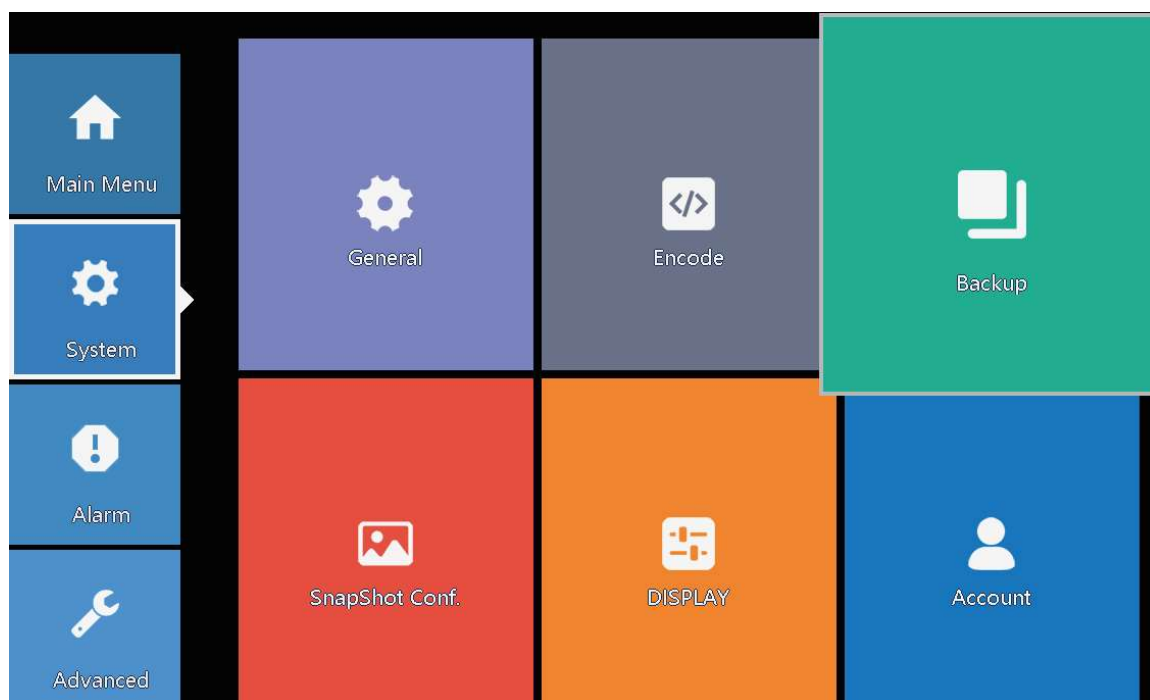
When the HDD is full and you want to keep your video records, you can backup your videos by using a USB disk.

First of all, please plug your USB disk into the USB port on the NVR.

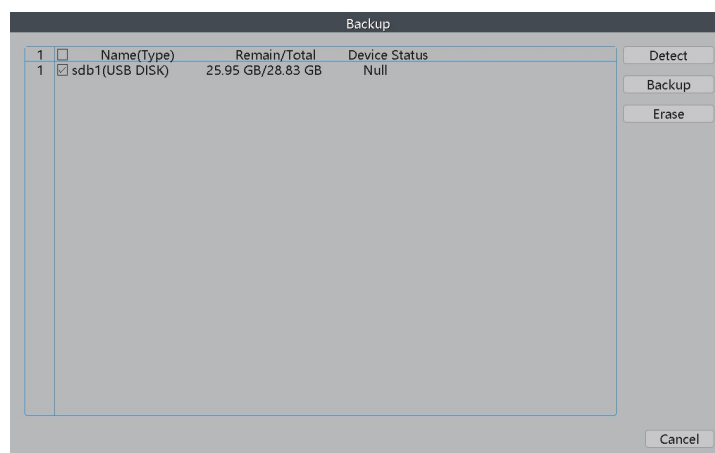


Please follow the path below to enter the backup interface:

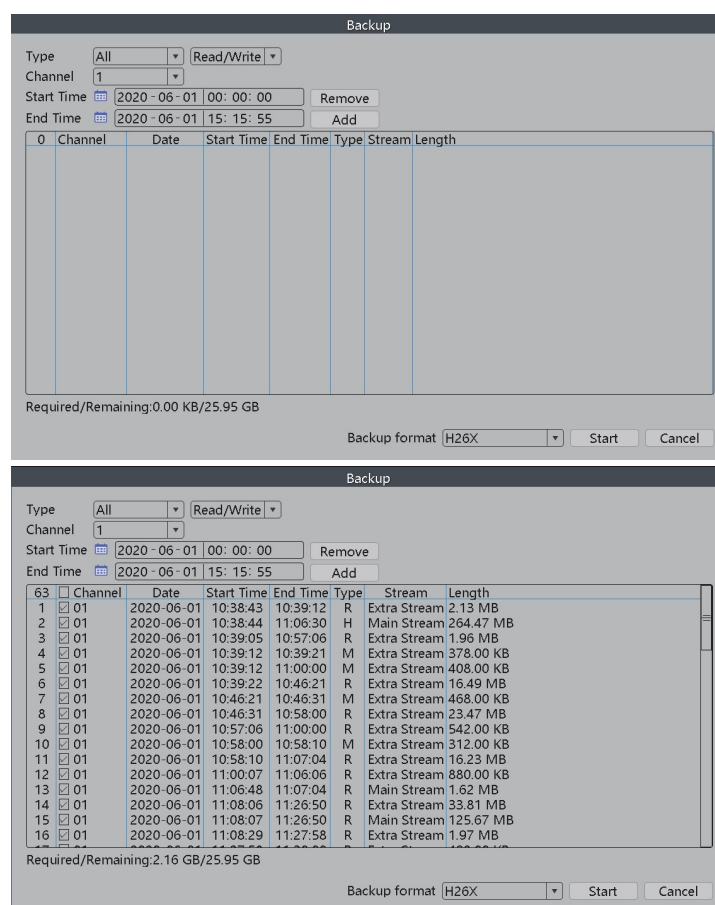
Right-Click Menu > Main Menu > System > Backup



Click on “*Detect*”, you will see the information of your USB disk. If the NVR detects your USB disk successfully, please click “*Backup*” to continue.



After choosing the video records type, channel and time, please click “*add*” then you will see all eligible video records.



Choose the videos which you would like to backup then click “*Start*”. All the selected videos will be copied into your USB disk.

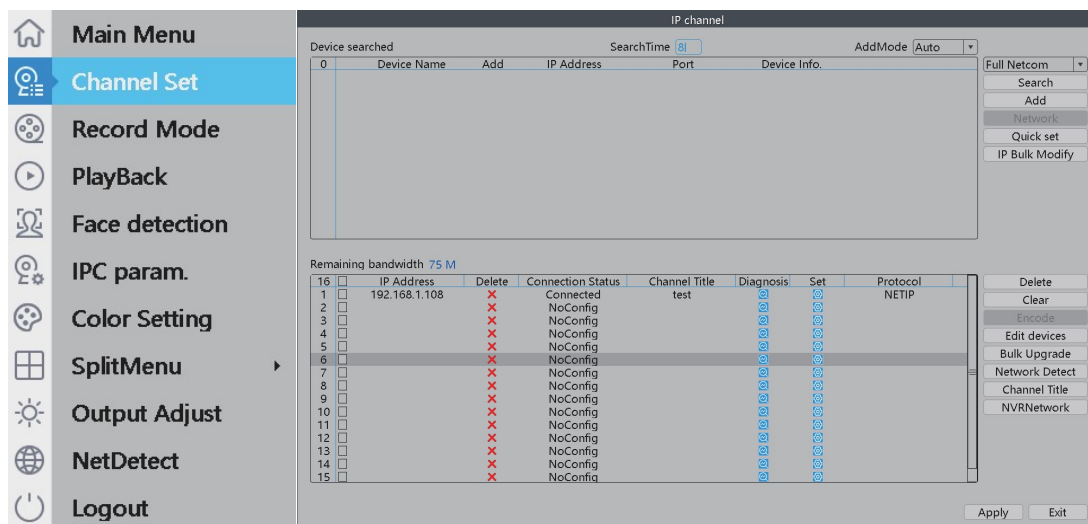
Add Cameras

The NVR is expandable and ONVIF supported, it means that the recorder is compatible with all the IP cameras which also support ONVIF protocol. If you want to connect more cameras to the recorder, you need to pair the recorder and the cameras first.

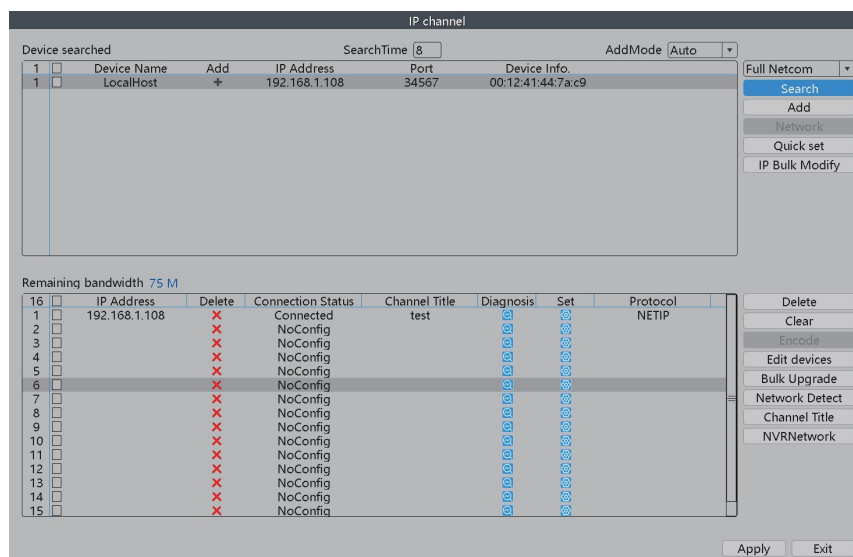
**Notice: The NVR recorder is a PoE security camera system so it is compatible only with PoE IP cameras.*

Please follow the path below to add your cameras:

Right-Click Menu > Channel Set

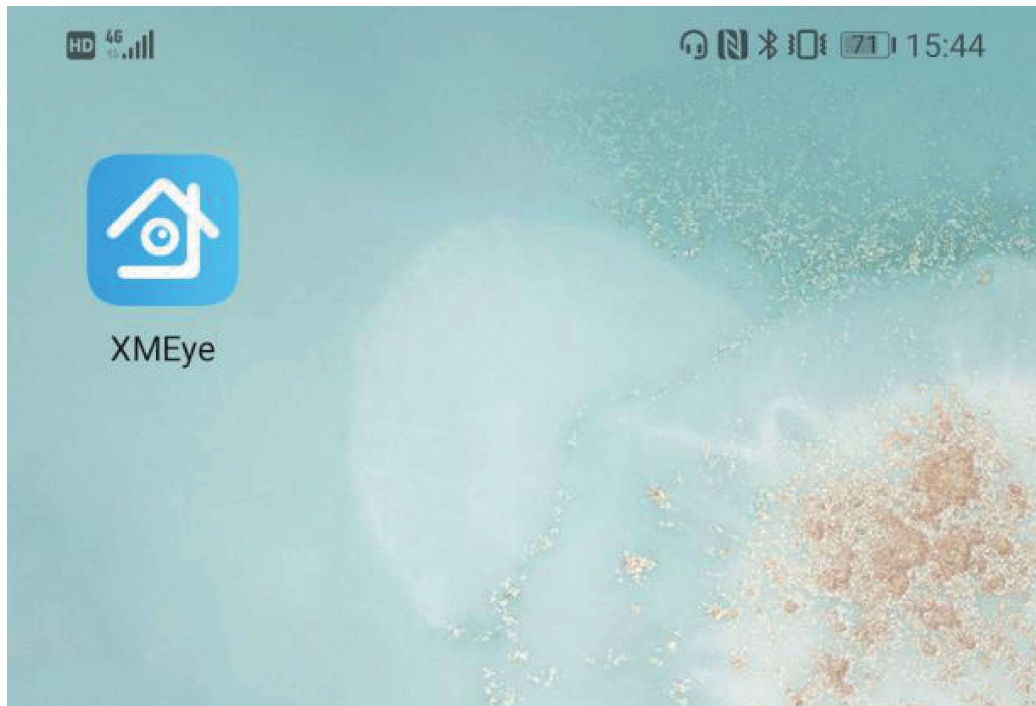


Click “Search”. Your camera will show on the upper chart. Click “Add” then the camera will be paired with the NVR.

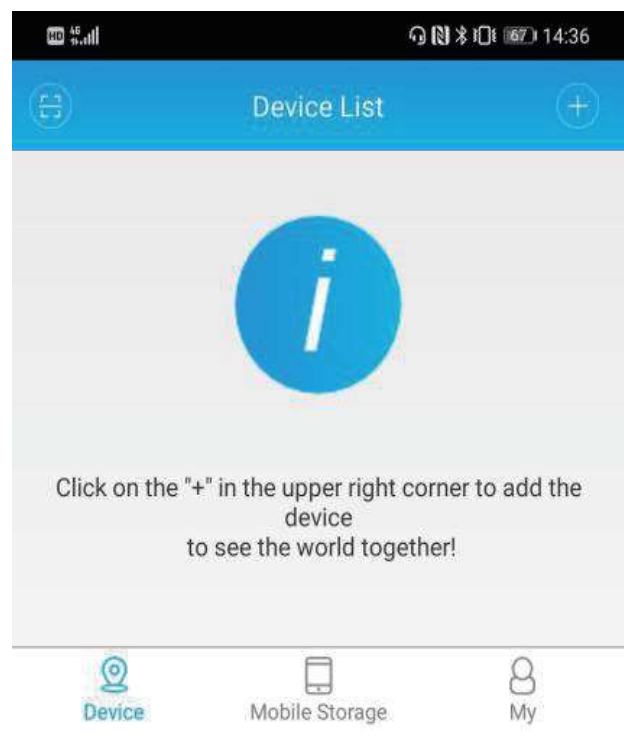
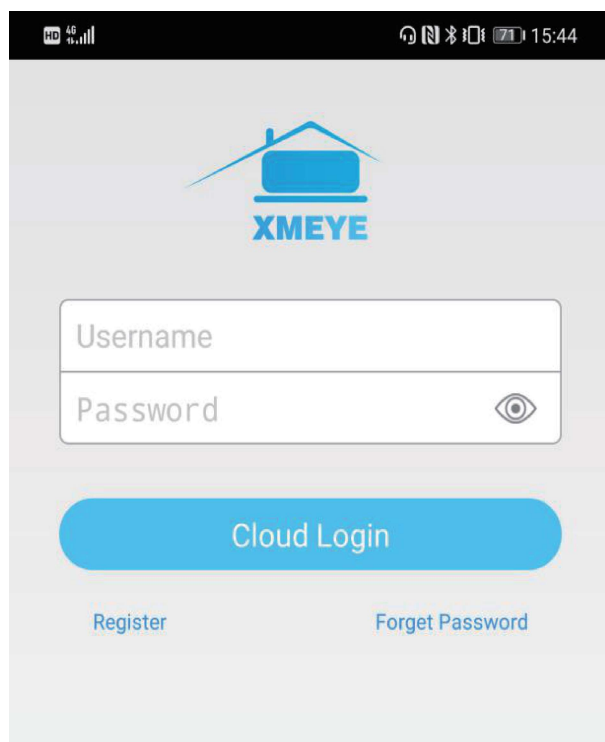


Advanced Settings of the App

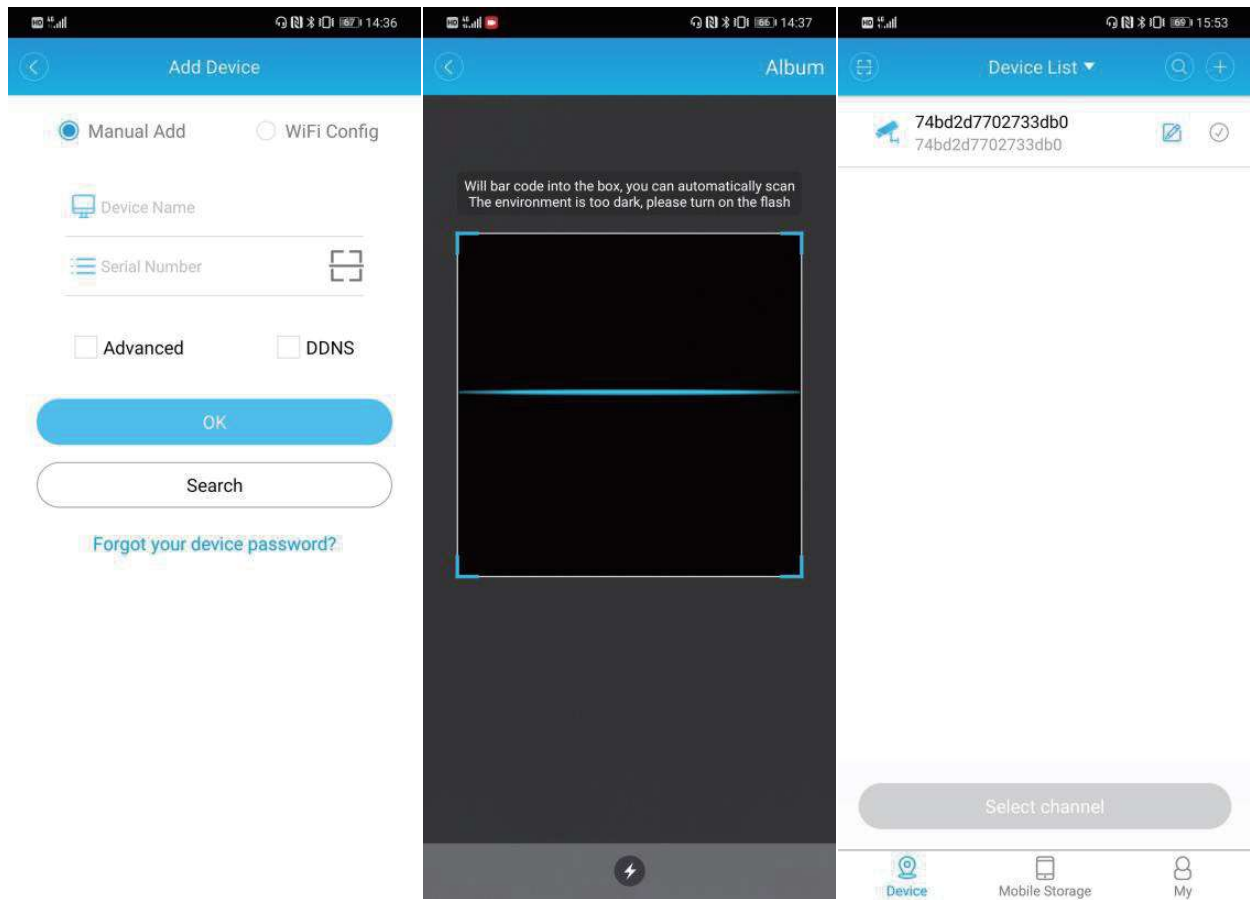
Tap on the icon of the App.



Register an account then log in the App.

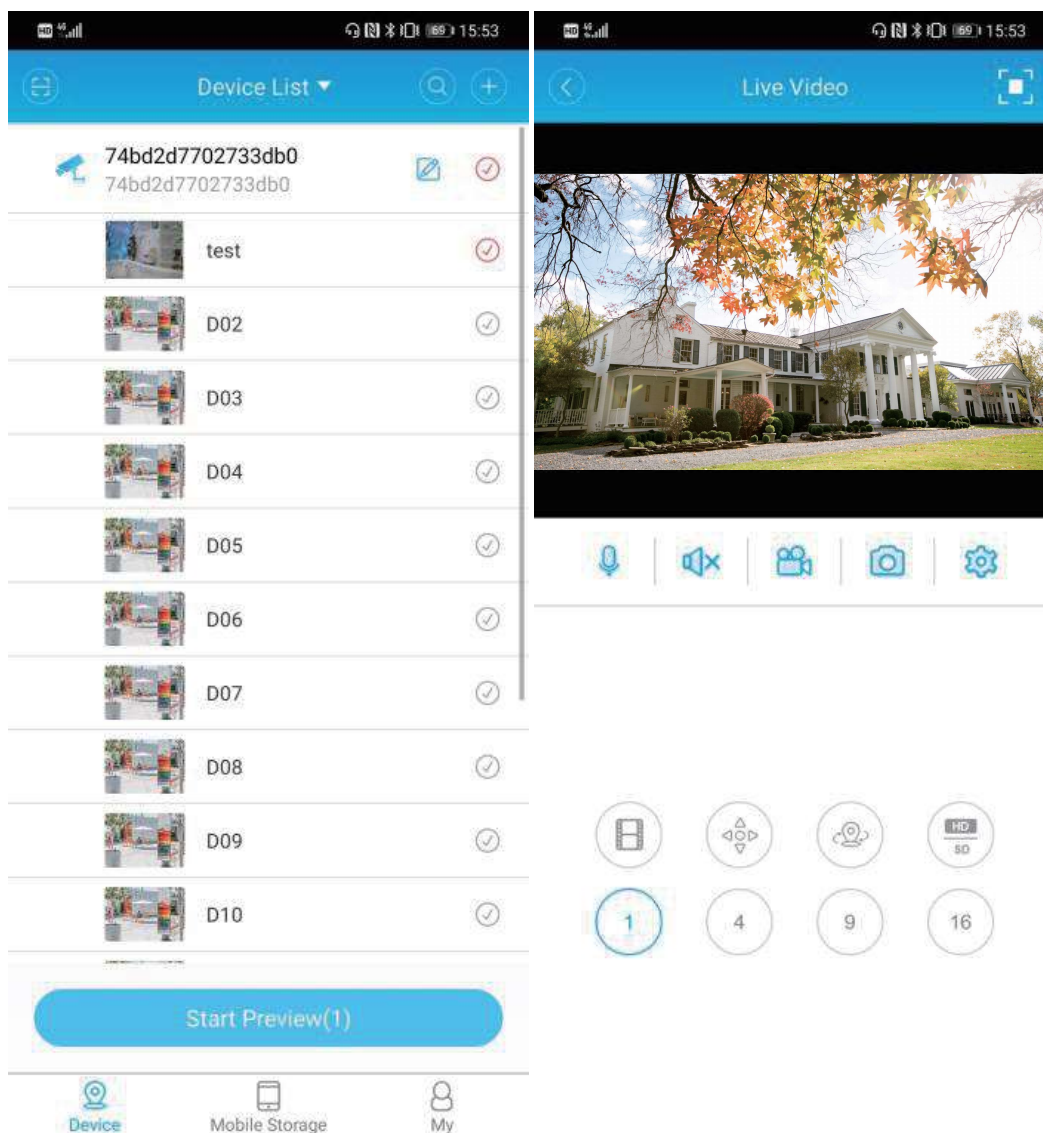


Add a device then scan the serial number QR code of the NVR system.



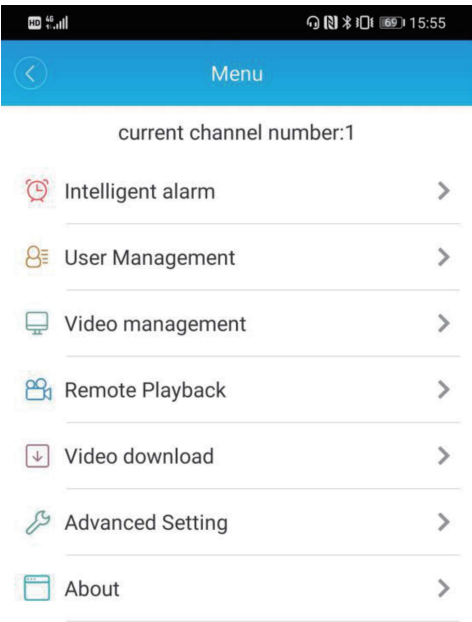
Device

Tap on the device and choose the active channels to enter live streaming video interface.

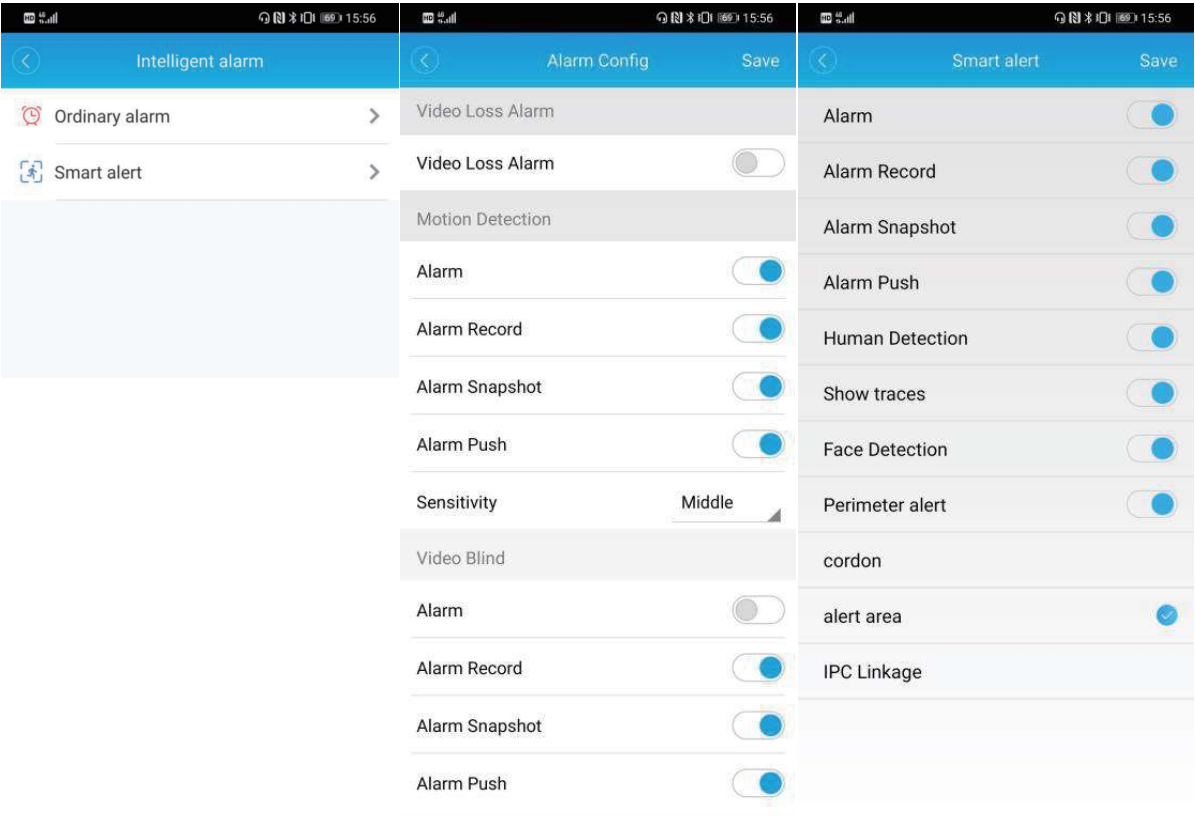


Menu

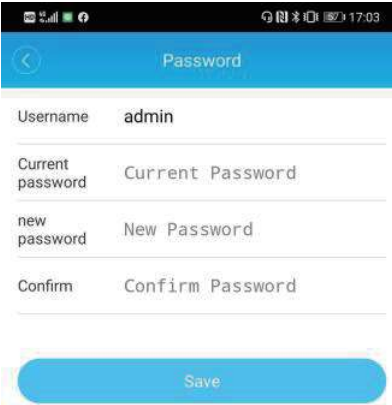
In the setting menu, we can adjust the camera settings directly through our smartphone.



·Intelligent Alarm: Turn on or turn off different alarms.



- User Management: Change the password and set security questions.

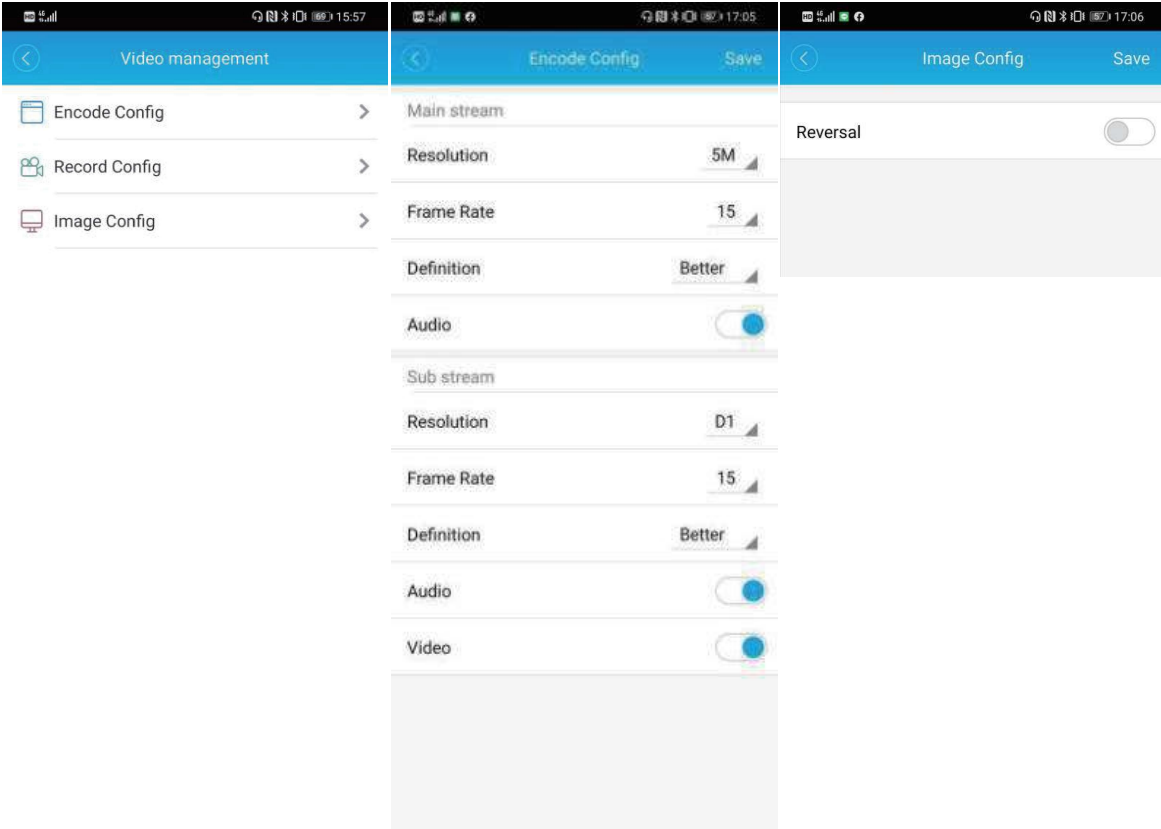


Mobile app screenshot of the Password management screen. The screen displays a form with the following fields:

- Username: admin
- Current password: Current Password
- new password: New Password
- Confirm: Confirm Password

A large blue button labeled "Save" is positioned at the bottom of the form.

- User Management: Change the password and set security questions.



Mobile app screenshot of the Video management settings screen. The screen displays a list of settings for video management, including:

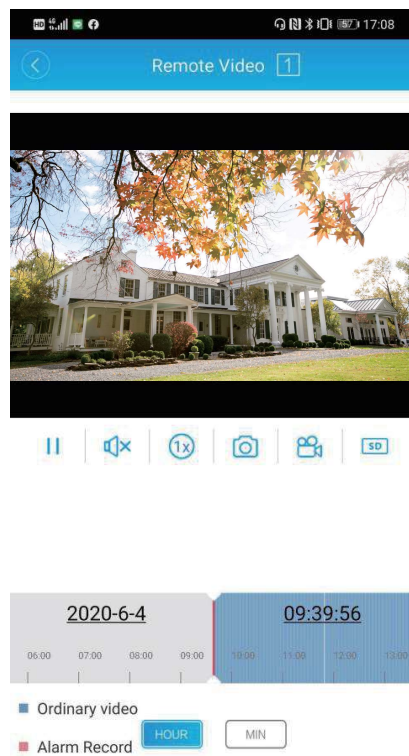
- Encode Config
- Record Config
- Image Config

The screen also shows a detailed view of the 'Encode Config' settings, including:

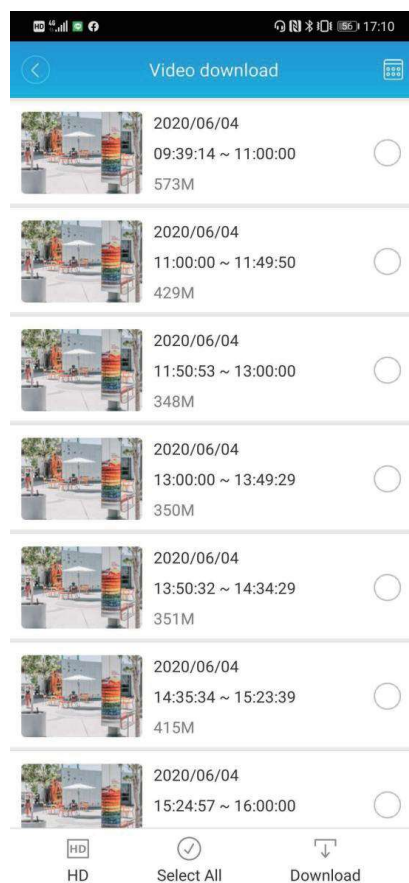
- Main stream
 - Resolution: 5M
 - Frame Rate: 15
 - Definition: Better
 - Audio: ☒
- Sub stream
 - Resolution: D1
 - Frame Rate: 15
 - Definition: Better
 - Audio: ☒
 - Video: ☒

A 'Reversal' toggle switch is visible at the bottom of the 'Main stream' section.

- Remote Playback: Review your video records stored in the NVR remotely.



- Video Download: Download the videos stored in the NVR to your smartphone.



·Advanced Setting: Check & adjust the settings of the HDD and network.

The image shows three sequential screenshots of a mobile application's 'Advanced Setting' menu. The first screenshot shows the 'Advanced Setting' title with two options: 'Storage Config' and 'Network Setting'. The second screenshot shows the 'Storage Config' screen with fields for 'Total Capacity' (931.51G) and 'Residual Capacity' (721.93G), a description of the 'Overwrite' option, and a toggle switch for 'Overwrite'. The third screenshot shows the 'Network Setting' screen with fields for 'DHCP' (toggle), 'IP Address' (192.168.1.109), 'Sub Mask' (255.255.255.0), 'Gate Way' (192.168.1.1), 'DNS' (192.168.1.1), 'Alternate DNS' (114.114.114.114), and 'MAC' (00:12:41:46:bd:6a), along with a 'submit' button.

Setting	Value
Total Capacity	931.51G
Residual Capacity	721.93G
Overwrite	<input checked="" type="checkbox"/>
DHCP	<input checked="" type="checkbox"/>
IP Address	192.168.1.109
Sub Mask	255.255.255.0
Gate Way	192.168.1.1
DNS	192.168.1.1
Alternate DNS	114.114.114.114
MAC	00:12:41:46:bd:6a

·About: Other information about the product.

The image shows a screenshot of the 'About' screen in a mobile application. It displays various device and software information. At the top, there is a 'Serial number' field with the value '74bd2d7702733db0' and a QR code. Below this, there is a grid of six items: 'Device Version' (NBD8008R-PL), 'Software version' (V4.03.R11.C6380202.12201.140000.000000), 'Released Date' (2020-05-15 21:58:14), 'Release Version' (Release), 'Network Mode' (RPS), and 'Cloud Status' (Connecting success). At the bottom, there is a 'Device time' field with the value '2020-06-04 17:15:35' and a link to sync device time. Below this, there are 'Online Upgrade' and 'Local Upgrade' buttons. At the very bottom, there is a 'Device Reboot' button.

Item	Value
Serial number	74bd2d7702733db0
Device Version	NBD8008R-PL
Software version	V4.03.R11.C6380202.12201.140000.000000
Released Date	2020-05-15 21:58:14
Release Version	Release
Network Mode	RPS
Cloud Status	Connecting success
Device time	2020-06-04 17:15:35
Online Upgrade	<input type="checkbox"/>
Local Upgrade	<input type="checkbox"/>
Device Reboot	<input type="button" value="Device Reboot"/>

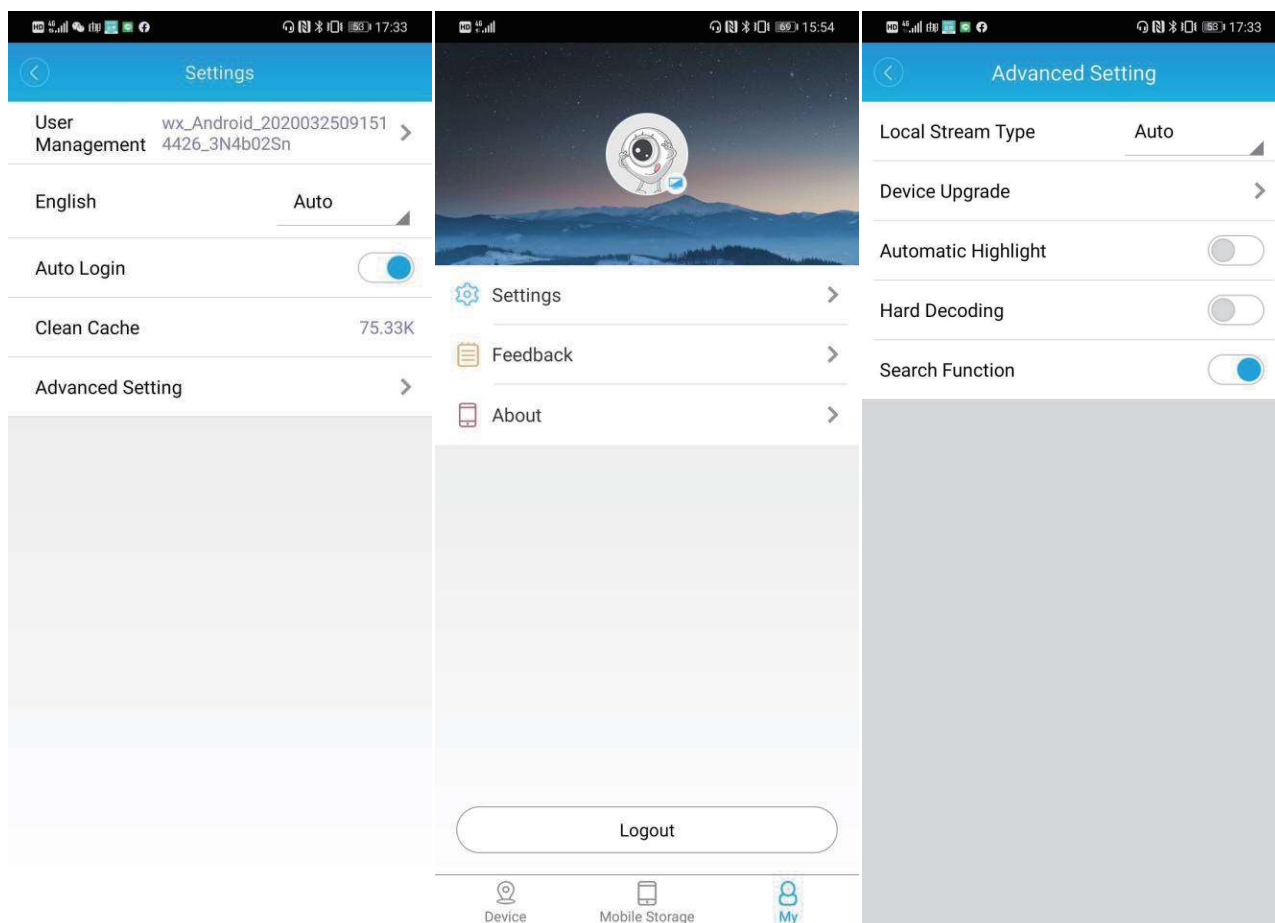
Mobile Storage

In this part we can review the videos and the pictures saved in our smartphone.



My

In this part we can change the general settings of the App, send feedback about the App, and other additional information.



Here are all the settings and functions of the AI Smart PoE Wired Security Camera System. If you have any questions or problems, feel free to contact us.

