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## Warranty

Techage engages to provide the best products and service to our customers. All Techage products are under One-Year Quality Warranty.

If you have any questions or problems with our products, please get in touch with us. Our professional 24/7 customer service team will reply and help you with them ASAP.

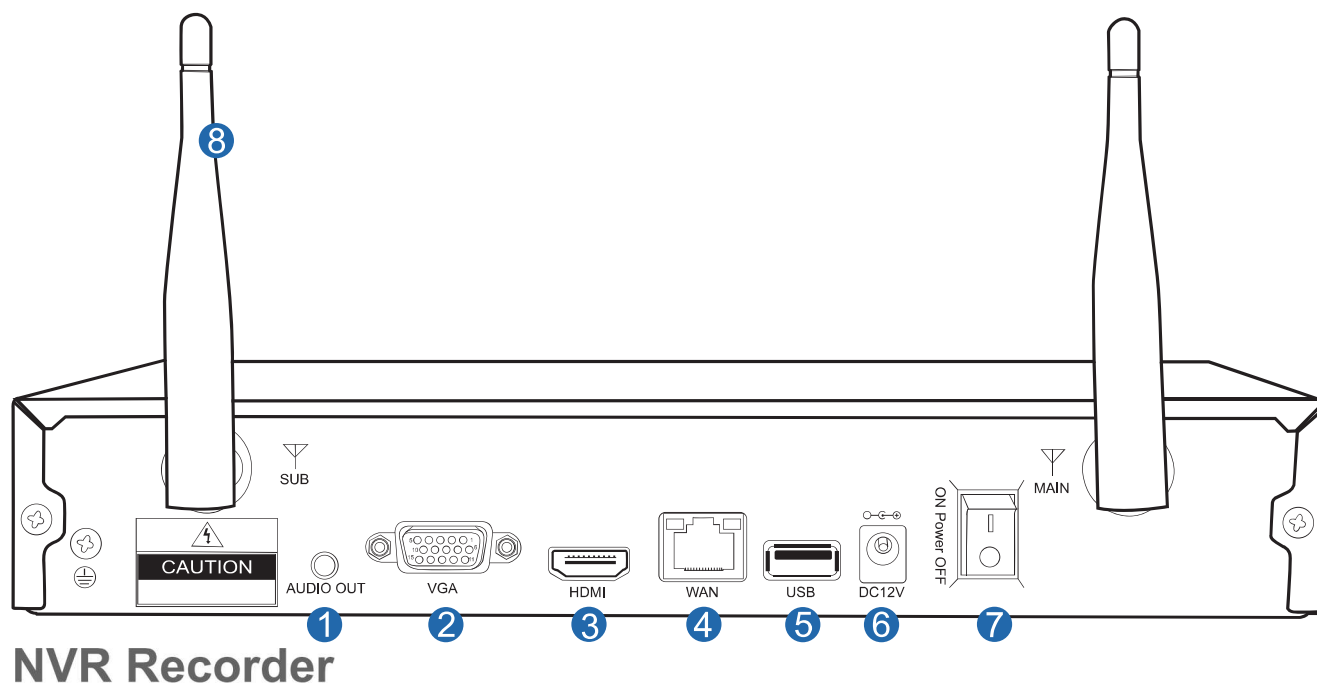
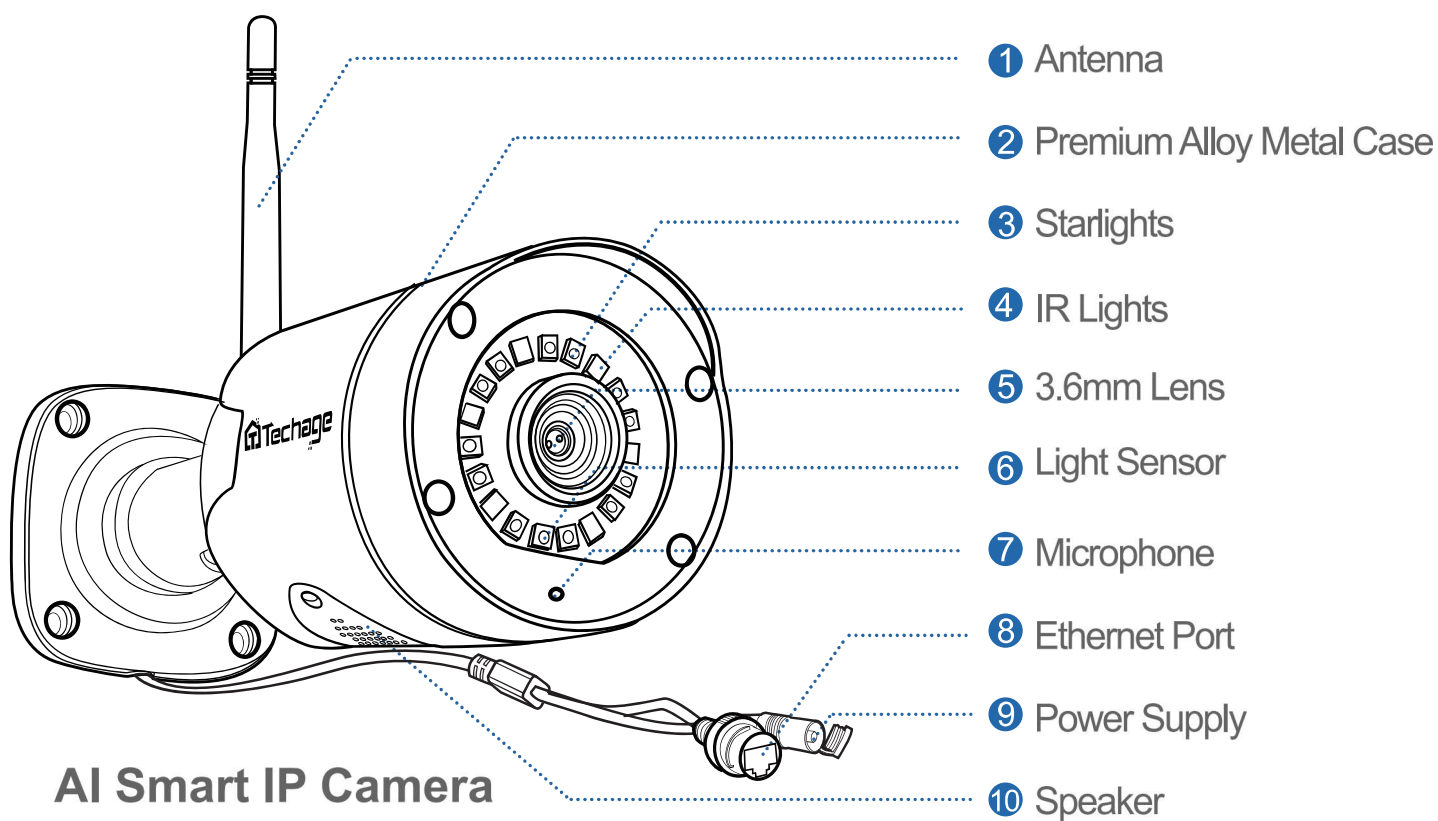
You can also find answers to some frequently asked questions in the FAQs part on our official website.

✉ : [support@techage.com](mailto:support@techage.com)

🌐 : [www.techage.com](http://www.techage.com)

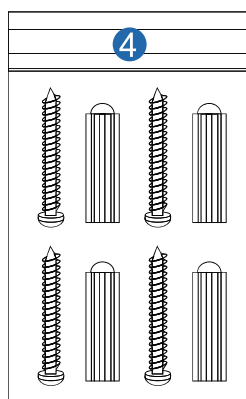
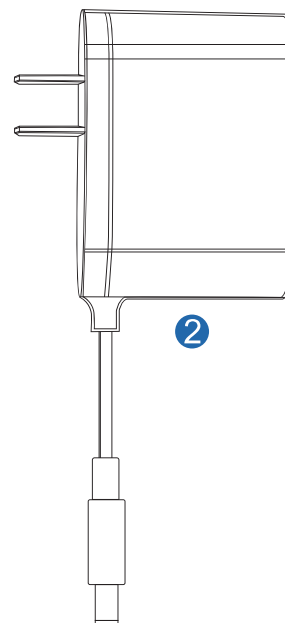
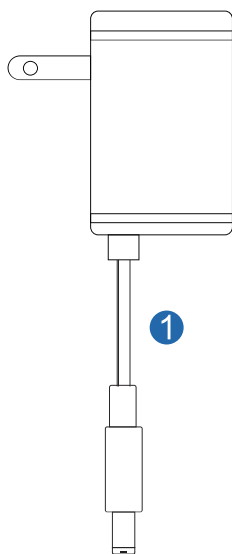
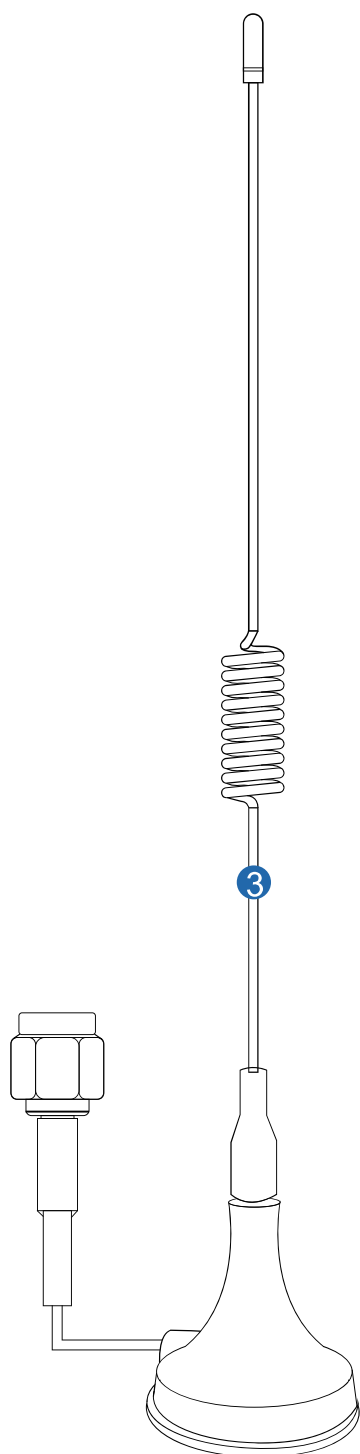
📘 : [@TechageOfficial](https://www.facebook.com/TechageOfficial)

## Introduction

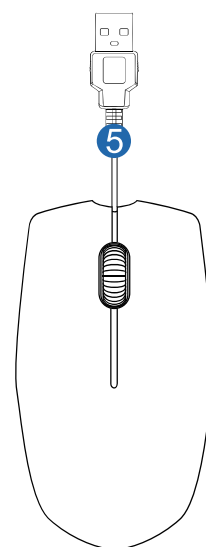


- |             |                |                |            |
|-------------|----------------|----------------|------------|
| ① AUX port  | ② VGA Port     | ③ HDMI Port    | ④ WAN Port |
| ⑤ USB Ports | ⑥ Power Supply | ⑦ Power Switch | ⑧ Antenna  |

## Accessories



X4

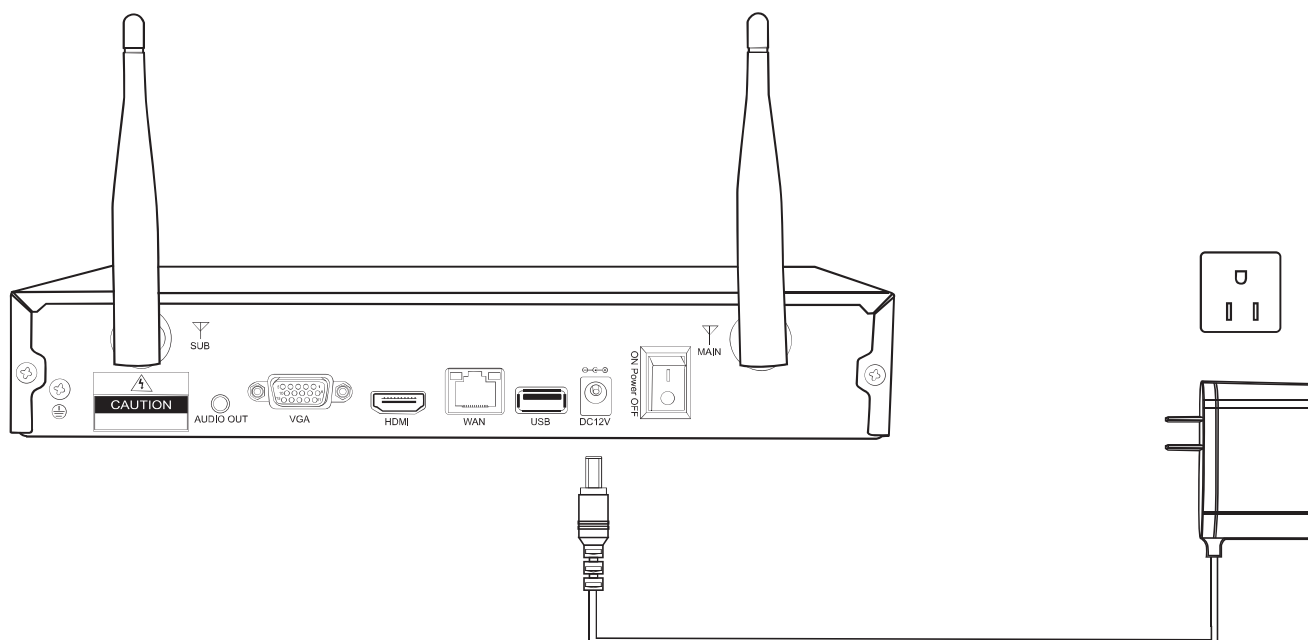


- ① AI Smart IP Camera Power Adapters
- ② NVR Recorder Power Adapter
- ③ Wi-Fi Extension Antenna for IP Camera
- ④ Mouse
- ⑤ Screws & Expansion Tubes

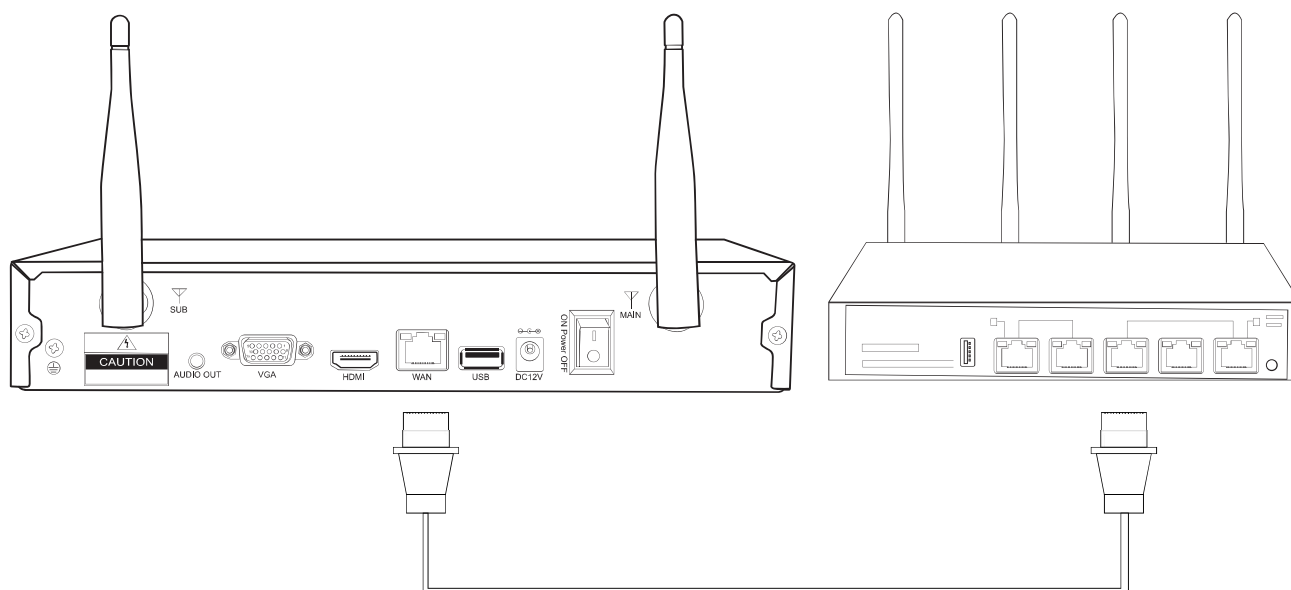


# How to Install?

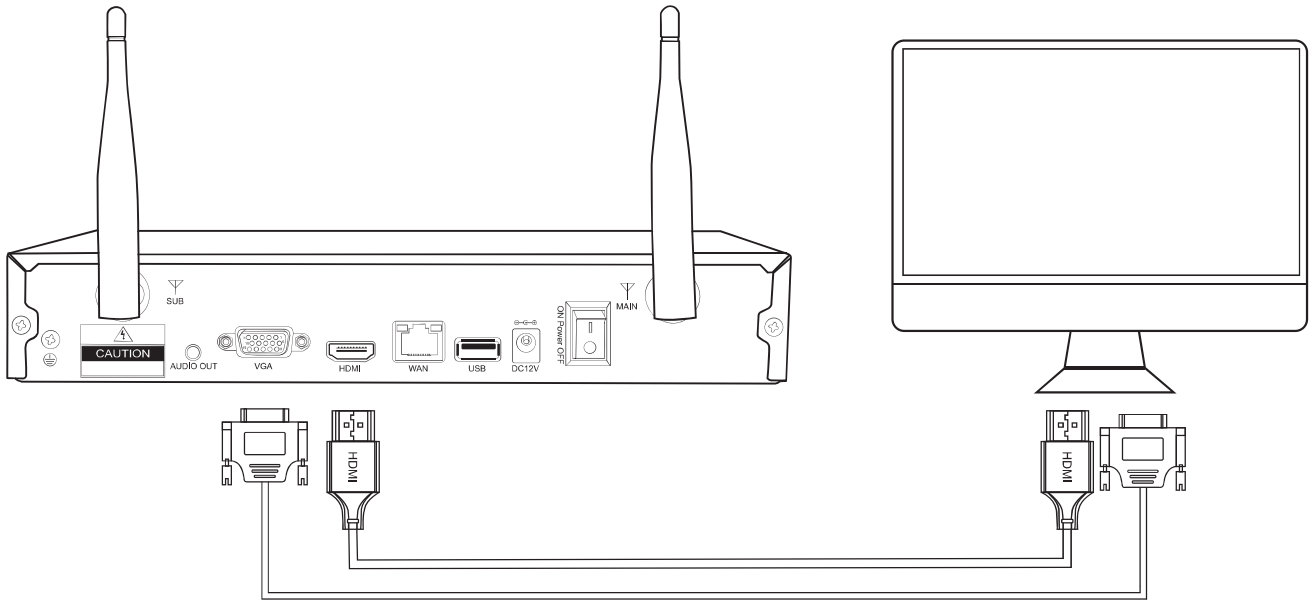
1. Power the NVR recorder with the large 12V 2A power adapter.



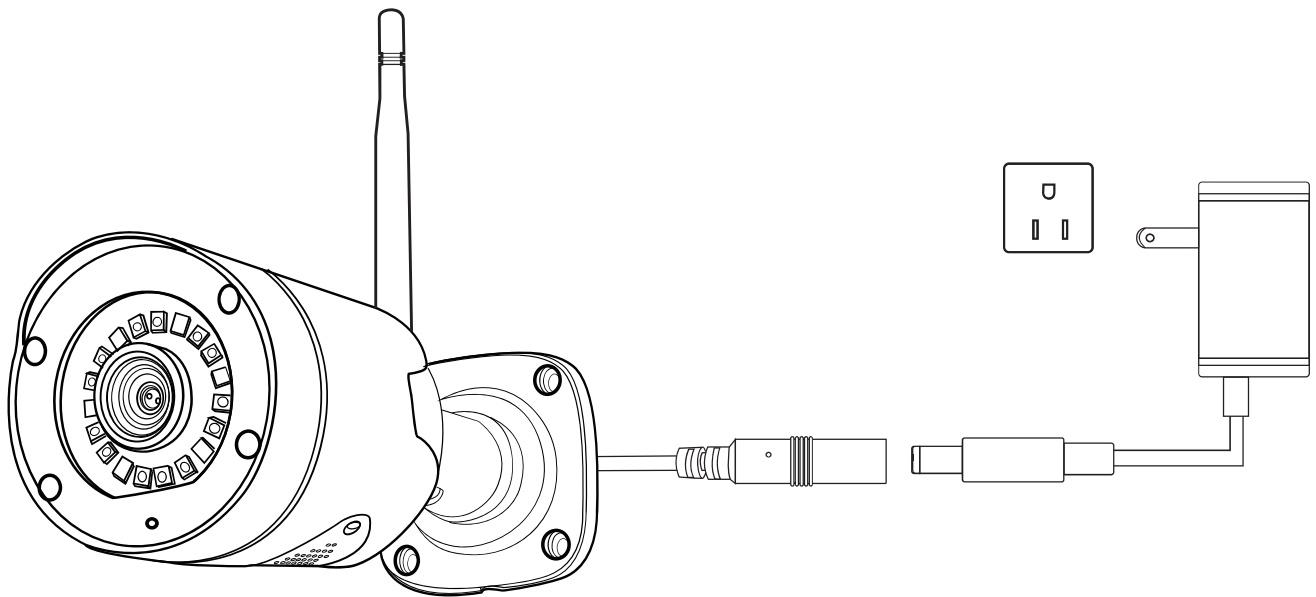
2. Connect the NVR recorder to the router. If you would like to connect your NVR and your router with Wi-Fi, please skip this step.



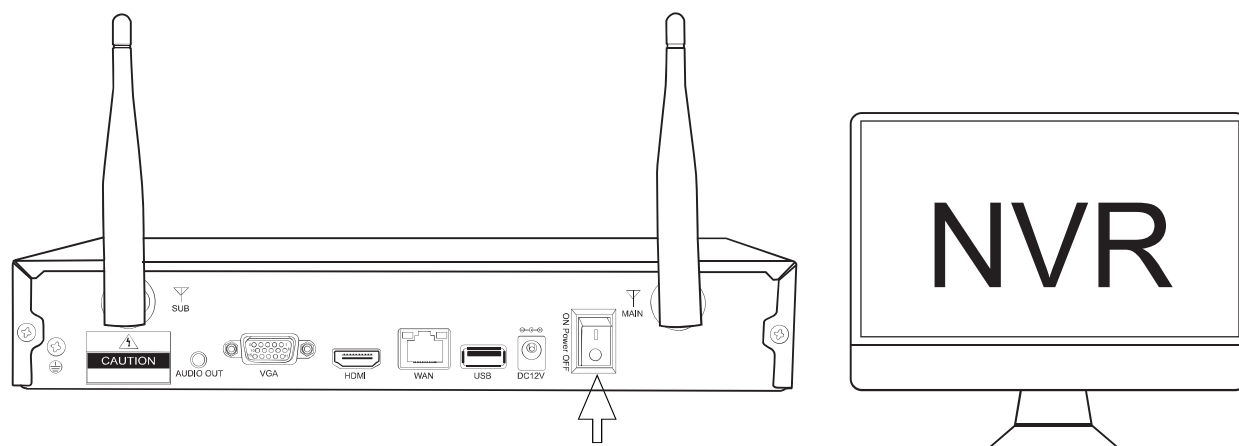
3. Connect the NVR recorder to a monitor via VGA or HDMI.



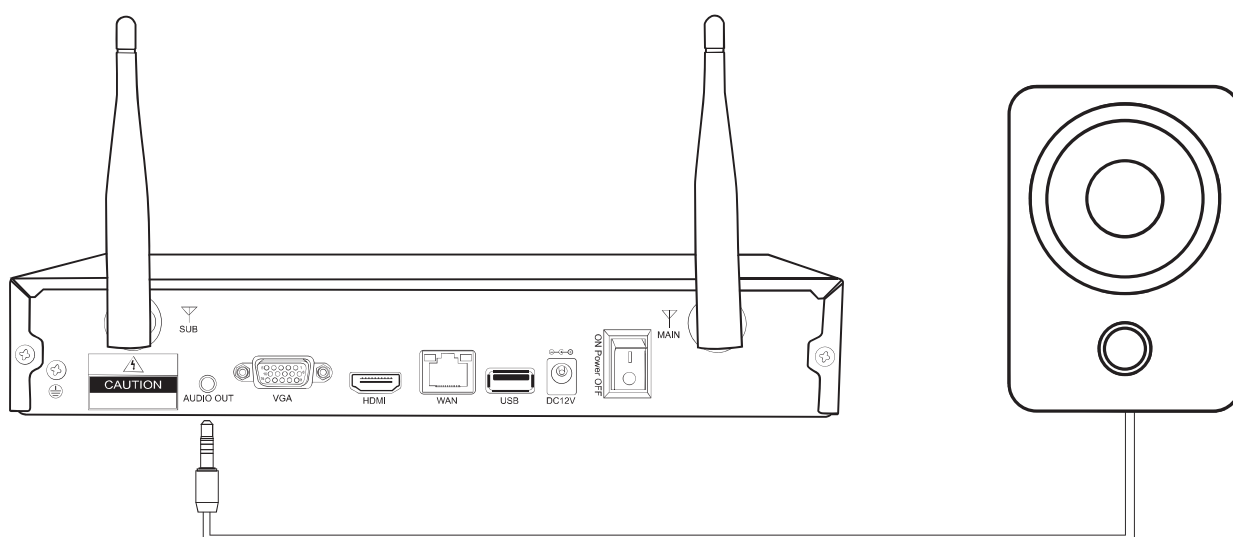
4. Power the AI Smart IP cameras with the small 12V 1A power adapters.



5. Turn on the power switch of the NVR recorder and the monitor.



● Notice: If your monitor doesn't have a speaker, the NVR recorder supports audio output via 3.5mm AUX port.



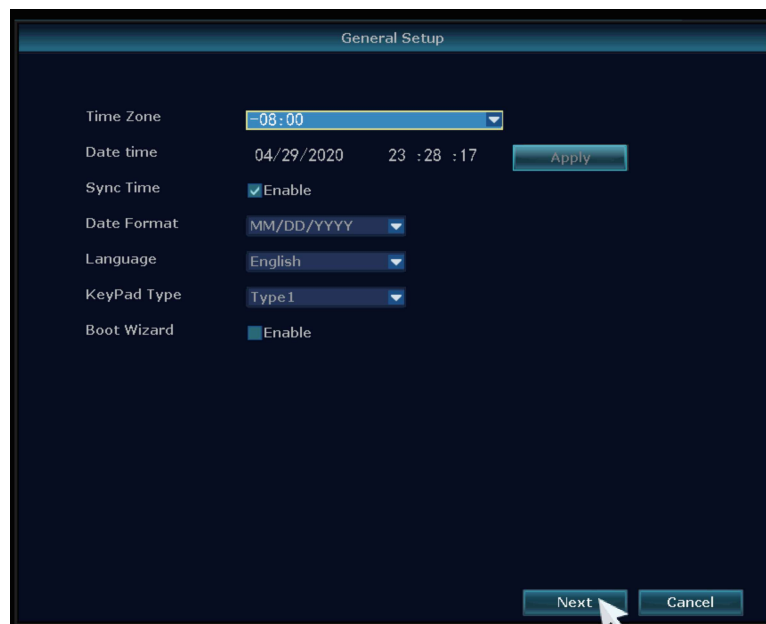
# First Login - Basic System Settings

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

1.The default user name is “admin” and there is no password. Click “Ok”.



2.All the settings here have already been adjusted in the factory, please click “Next”.



*\* Notice: The “Sync Time” is defaulted enabled so the time and date will automatically self-adjust. If the “Sync Time” function is not working properly, please check if the network is connected and if the network cable has been plugged in correctly.*

3.Wireless Setup: All settings have already been adjusted in the factory, please click “Next”.

Wireless Setup

Wireless Channel

Other

Region

MKK

Adaptive channel

The channel should conform to local laws and regulations.

Previous

Next

Cancel

4.Wireless Internet: Select your Wi-Fi name and enter the password to connect your NVR to your router.

Wireless Internet

Wireless LAN

☒Enable

WiFi Name

Tinosec

Password

tino0755

Signal

Wireless Channel

View details

Select network...

WiFi Name	Signal

<

1

/1

>

WiFi is connecting, please wait patiently...

Apply

Previous

Next

Cancel


Fast Network

Network Setup

Auto ConfigManual Config

IP Address192. 168. 0. 132

Cloud ID2748468924(OBJECT)



Cloud ID

Net DiagnoseDiagnose

Network StatusHealthy Network

TipsSuccessfully connect to the internet.

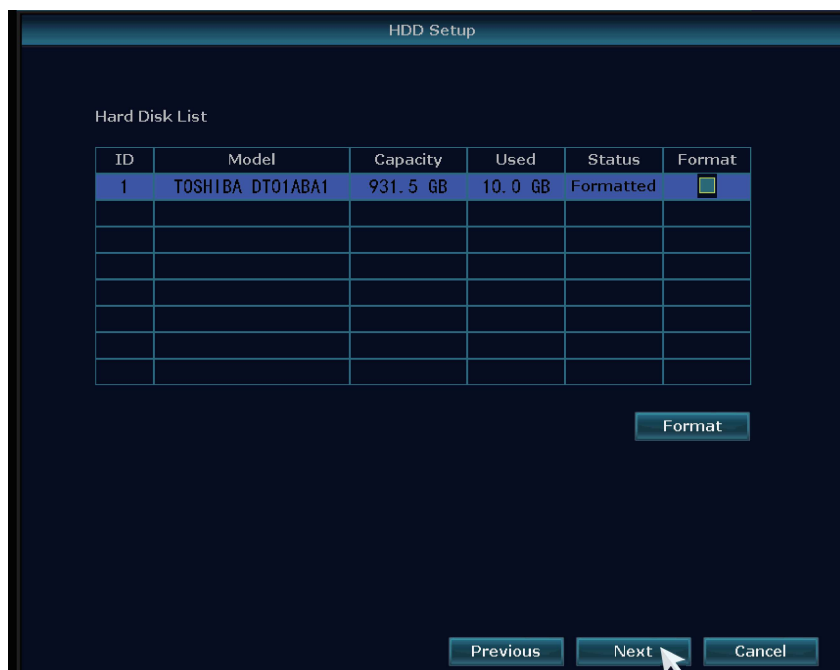
Previous

Next

Cancel

*\* Notice: If the “Network Status” shows other error information in red, please contact us with the screenshot. Our customer service team will help you resolve the problem.*

6.HDD Setup: A 1TB hard disk has been pre-installed in the NVR recorder. In this interface, you can see the information of the HDD.

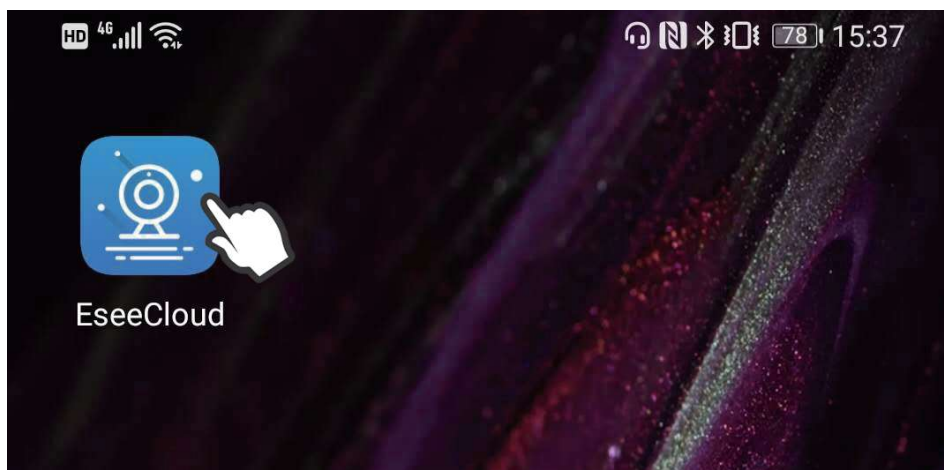


7.Download EseeCloud App: Scan the QR codes to download the EseeCloud App to access from distance with your smartphone.



## 8.Set up your App.

### 8.1 Open EseeCloud App on your smartphone.



### 8.2 Register an account then log in.

Register

Email/phone number

Confirm

☒ Registration agree [User Agreement](#) And [Privacy Policy](#)

Log in

Email/phone number

password

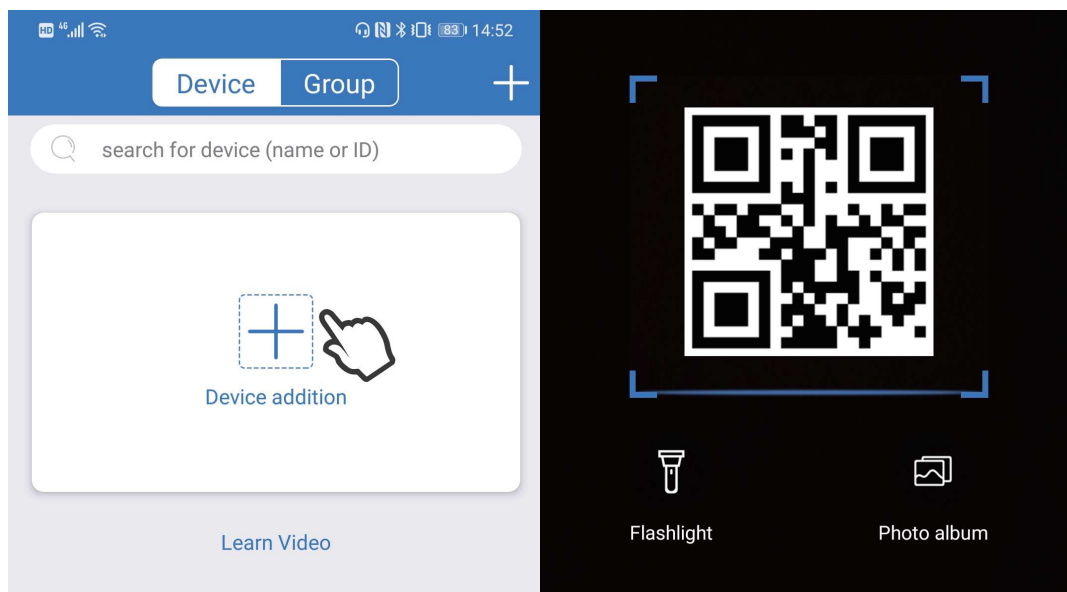
[Forget password?](#) [Register](#)

Confirm

☒ Remember Password



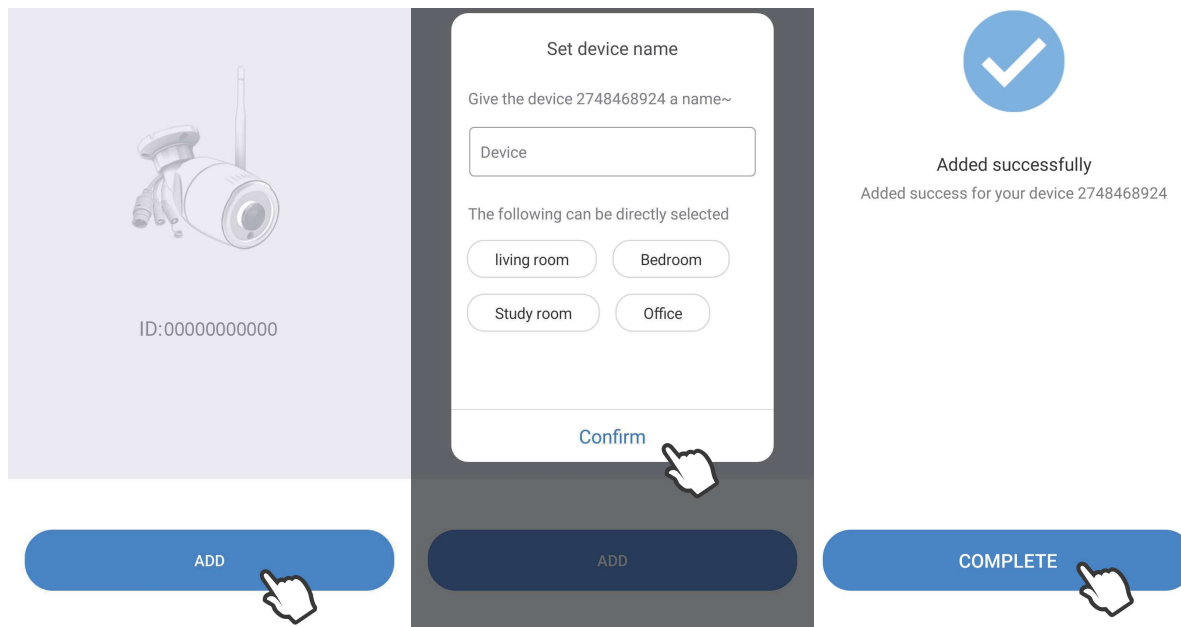
### 8.3 Add a device.



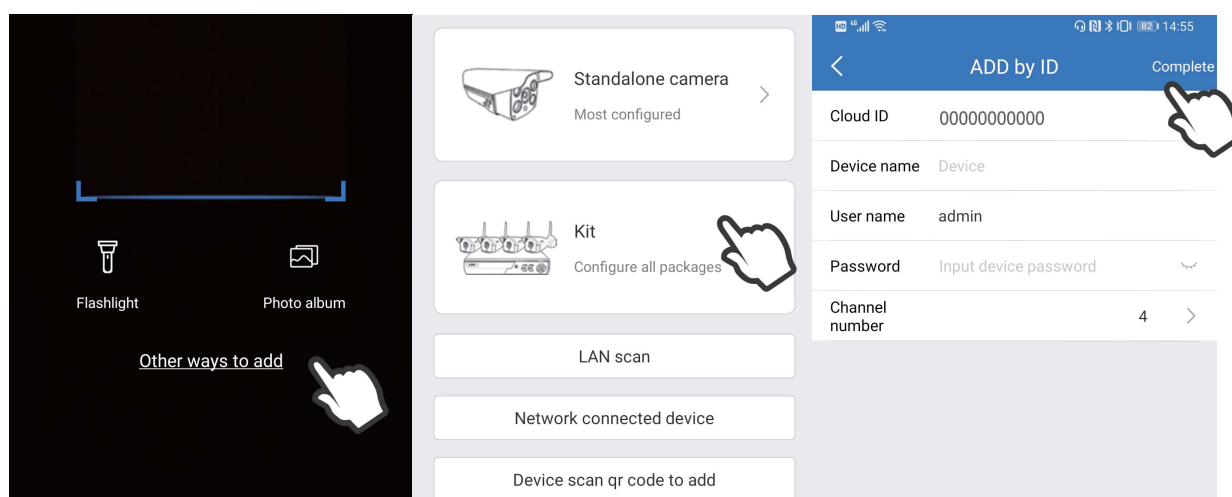
### 8.4 Scan the Cloud ID QR code of your NVR recorder on your monitor.



8.5 After scanning the Cloud ID QR code, you will see your security system showing on the App. Tap “Add” then name your system.



*\* If you are not able to scan the QR code, please select “Other ways to add > Kit” then enter the Cloud ID of your system manually. You can find the Cloud ID in “Fast Network” in the previous steps.*



*Bravo! Now you can watch what’s happening on the other side of your cameras with your smartphone! For further App instructions, please check the part “Advanced Functions of EseeCloud App” on page 32.*

# IP Camera Advanced Settings

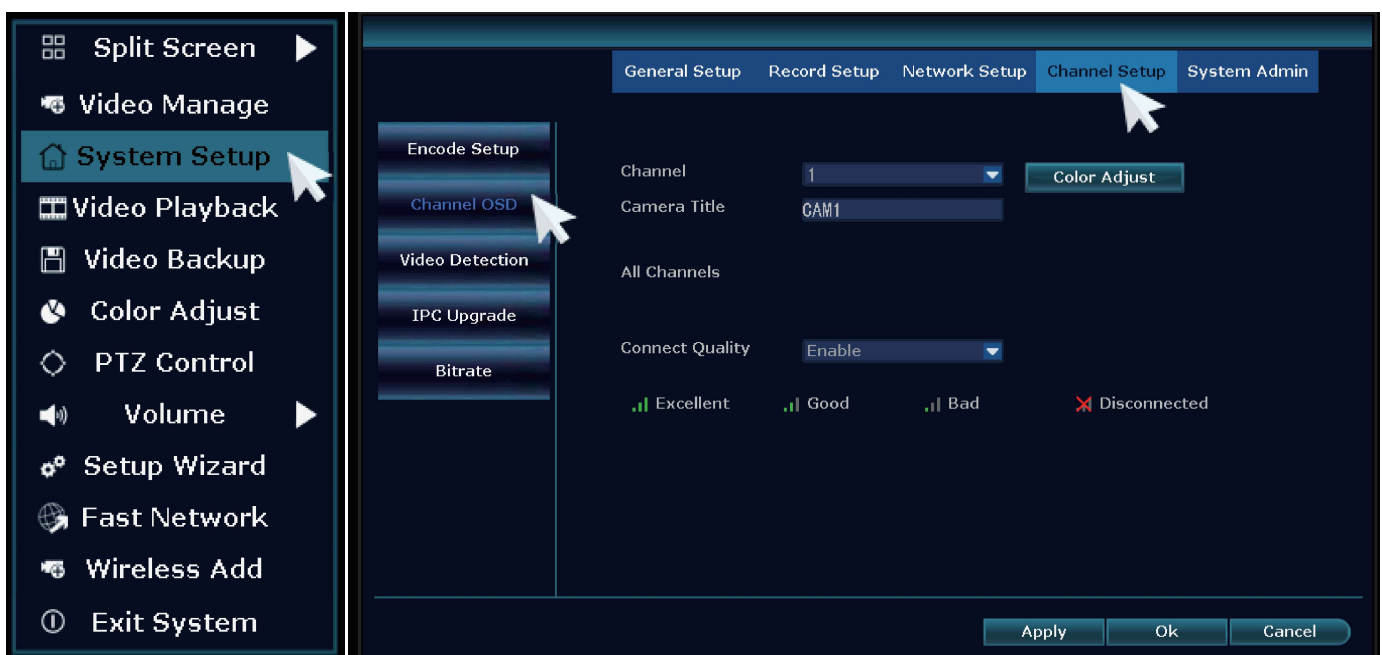
## IR-CUT Modes

Techage AI Smart IP Camera supports several IR-CUT modes. You can choose the suitable mode for EACH camera according to different environments, positions, and needs.

## How to Adjust IR-CUT Modes

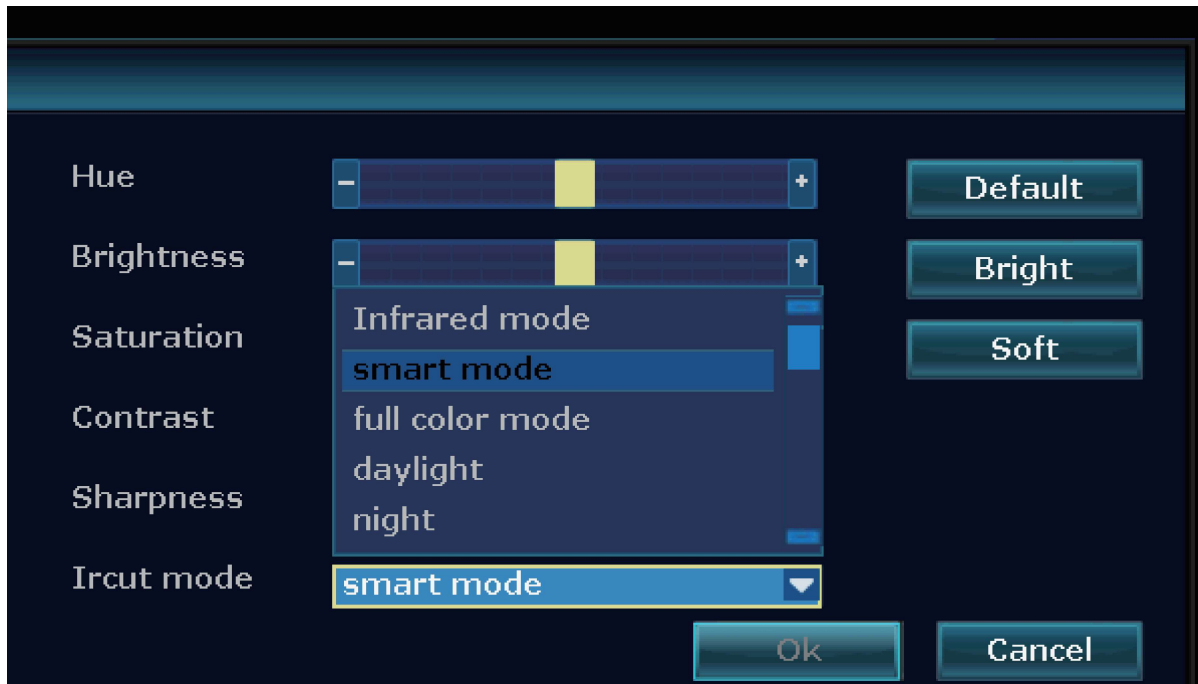
Please follow this path below to find “Color Adjust”:

*Right-Click Menu > System Setup > Channel Setup > Channel OSD > Color Adjust*



*\* Notice: Please remember to choose the right channel before you adjust the IR-CUT mode!*

## Different IR-CUT modes



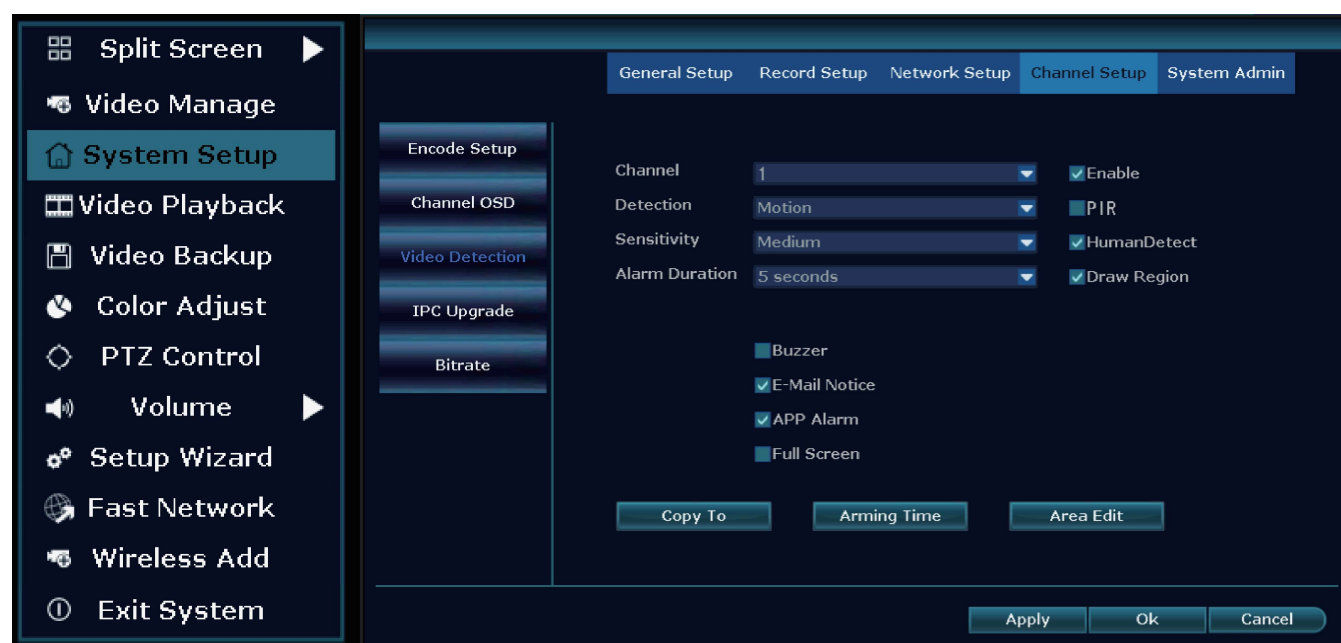
- Infrared Mode: The camera records color videos in the day time and black-white videos at night.
- Smart Mode (recommended): The camera records color videos in the day time and black-white videos at night. When the camera detects human activities, the starlights will turn on and the camera will record color videos to have a clearer vision.
- Full Color Mode: The starlights of the camera turn on automatically in the night and stay on continuously to have a more colorful image.
- Daylight Mode: The camera records color videos in the day time and IR violet videos during the night.
- Night Mode: The camera records black-white videos in day time and night time.

## Video Detection Settings >>

When we install a security camera system, there's a situation that we often met: we need different security levels for different spots. For example, your front door may already have other security devices so you don't need your front door camera to be too sensitive; On the contrary, your backyard lacks surveillance and you want your backyard camera to be as protective as it can.....

Every Techage camera's detection settings can be separately done. Please follow the path below to find settings about "Video Detection":

*Right-Click Menu > System Setup > Channel Setup > Video Detection*



*\* Notice: Please remember to choose the right channel before you change the settings!*

## Video Detection Instruction

- 1.Channel: To select the camera of which you are willing to change the settings.
- 2.Enable Switch(Default On): To turn on/off the detection function of the selected camera. When this switch is off, the camera will stop detecting any movement.
- 3.Detection (Default Motion): To choose the activity which you want your camera to detect.

*\* Motion: The camera will alarm or send alert notification to you when it detects movements. If the "Human Detect" switch is on, the camera will detect ONLY human movements.*

*\* Video Loss: The NVR recorder will send you an alert notification when the camera loses connection.*

*\*Video Cover: The camera will alarm or send you an alert notification when the camera is covered.*

4.PIR: Not applicable.

5.Sensitivity (Default 50): To choose the sensitivity of detection.

6.Draw Region Switch(Default On): When this switch is on and the camera detects human activities, there will be a rectangle around the detected person on the video.

7.Alarm Duration (Default 5 seconds): To adjust the duration of the alarm when the camera triggers a detection if the IPC alarm is enabled.

8.Buzzer Switch(Default Off): When this switch is on, the NVR recorder will sound an alarm if the cameras are triggered.

9.E-Mail Notice Switch(Default On): When this switch is on, the NVR system will send the alert notifications to your e-mail.

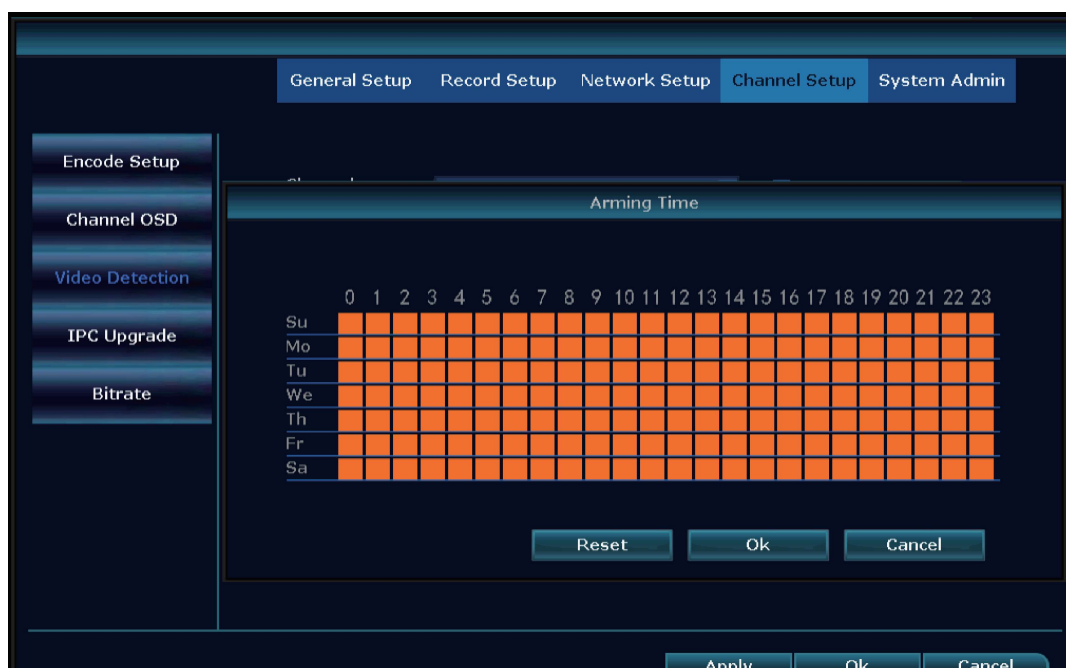
10.APP Alarm Switch(Default On): When this switch is on, the NVR system will send an alert notification through the App.

*\* Notice: Please allow notifications for the App to receive alerts from your cameras on your smartphone.*

11.IPC Alarm(Default Off): When this switch is on, the camera will sound an alarm if it is triggered. The duration of the alarm is adjustable in “Alarm Duration”.

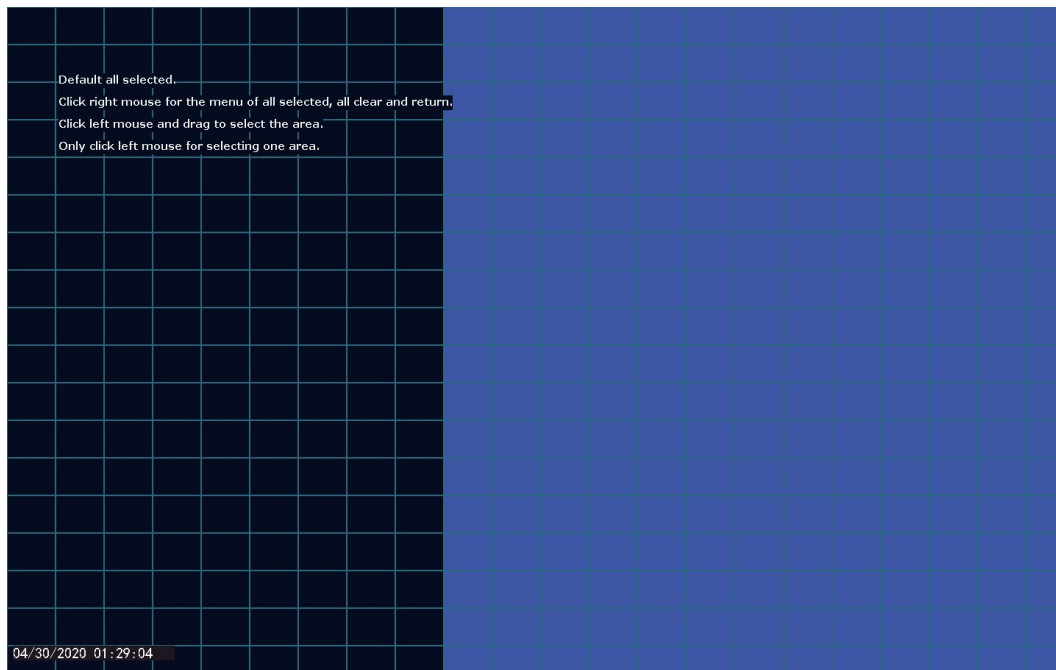
12.Full Screen Switch(Default Off): When this switch is on, the screen will automatically zoom in when there’s an alarm detected by the camera.

13.Arming Time: To choose the time periods during which you want your camera to detect unusual activities, sound alarm and send you alert notification.





10. Area Edit: The screen is cut into 396 small areas. You can choose the areas as you wish. The camera will only detect the movements in the chosen zone and send you alerts.



E.g. The left part of the screen is your neighbor's driveway. He always comes home very late. Your camera detects him and send alarms to you in the midnight. To solve this puzzle, actually you don't need to turn off the alarm or adjust the angle of your camera. In the "*Area Edit*", choose the right part of the screen to avoid your neighbor's driveway. From now on your camera will detect only in the area you choose. Sleep well!

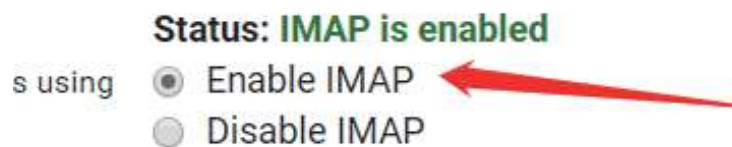


# How to Set E-mail Notice for Your System

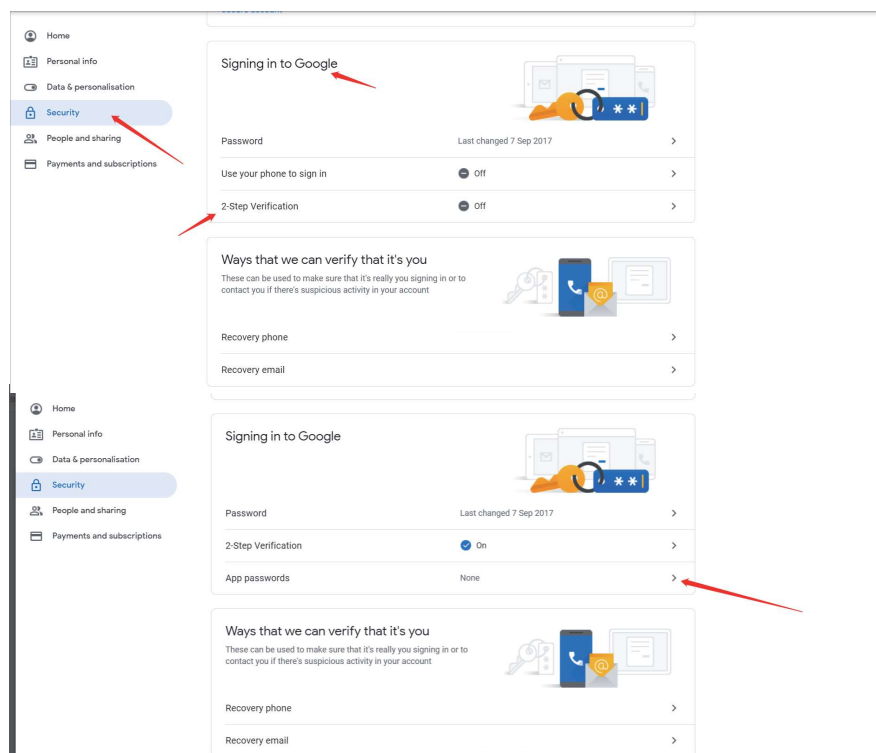
*\* The settings of every e-mail service provider is quite different from each other. In this manual we use Gmail as example. If you are using other e-mail service and you have met troubles setting e-mail notice for your NVR system, please contact our customer service team for further help.*

1.Enable IMAP access of your e-mail. You can find the IMAP switch in the settings of your Gmail.

## 3. Configure your email client (e.g. Outlook) Configuration instructions



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



3. Enter “App passwords”. Select the app and device for which you want to generate the app password or name your own app or 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



4. You will get a 16-letter password, this is the password you need to use later to set up your e-mail notice in the 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 see the password after you click “DONE” so please note it down or leave this page open.

5. In the NVR system, enter “E-mail” in “Network Setup” and fill in the following information.

The screenshot shows the 'Network Setup' tab in the NVR system. The 'E-Mail' option is selected in the sidebar. The main configuration area includes the following fields and options:

- E-Mail Function:** ☒ Enable
- SMTP Provider:** gmail (dropdown menu)
- Sender:** example@gmail.com
- Password:** aaaabbbbccccddddd
- SMTP Server:** smtp.gmail.com
- Port:** 465
- Encryption Type:** SSL (dropdown menu)
- Sendee 1:** example@gmail.com
- Sendee 2:** (empty field)
- Subject:** NVR Report
- Interval:** 30
- Health Mail Enable:** ☒ Health Mail Enable
- Health Mail Interval:** 30

On the right side, there are checkboxes for ☒ More Parameter, ☒ Display, and ☒ Quick Setup. A 'Test' button is located next to the 'Display' checkbox. At the bottom, there are buttons for 'Reset', 'Apply', 'Ok', and 'Cancel'. A dotted arrow points from the 'Test' button to the 'Apply' button.

*Sender:* Enter your e-mail address.

*Password:* Enter the 16-Letter password that we have generated in Google account previously.

*Port:* 465

*Encryption Type:* SSL

*Sendee:* The receiver e-mail address of the alarm notification. The default setting is the same e-mail address as the one of “Sender”. You can modify the e-mail address if you would like to receive e-mail notification with another e-mail.

6. Click “Apply” to save the settings then click “Test” to check if the e-mail notification is working well.

## Record Setup

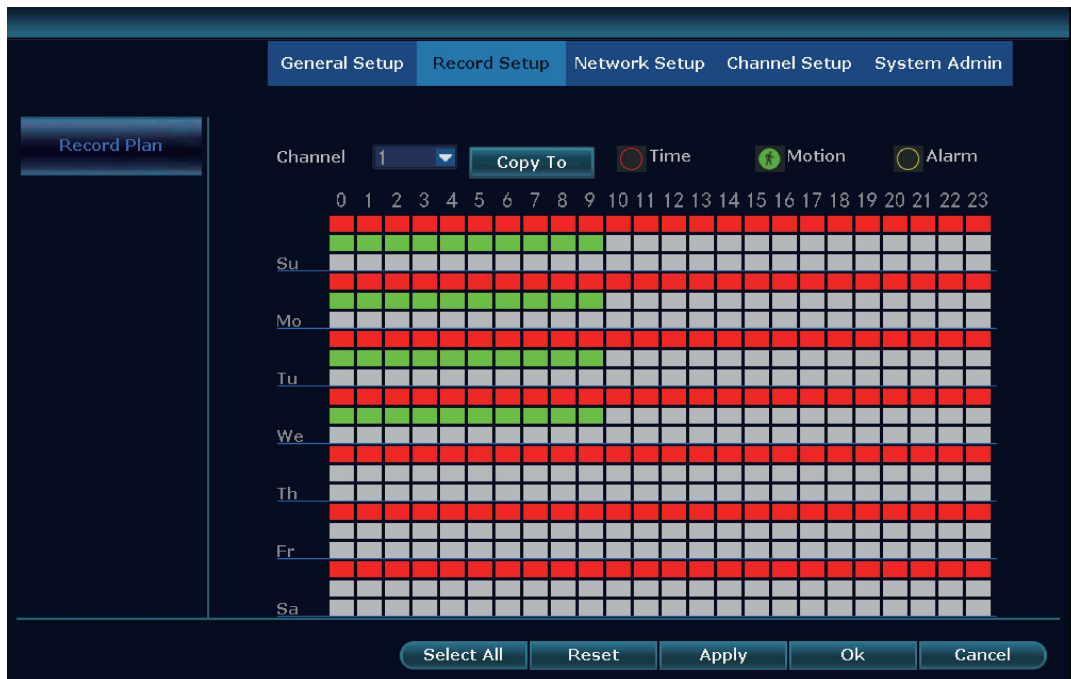
After setting up the detection parameters of our cameras, now we are heading to “Record Setup”.

*Right-Click Menu > System Setup > Record Setup*

The default record-setting of the cameras is “24/7 non-stop recording”. However, if 24/7 recording is not necessary for you, you can adjust record periods for each channel.



*Motion: When we set a record period for “Motion” and when the camera detects a movement, the NVR recorder will cut a piece of video (minimal video length: 30s) starting at the moment of the detection and store the segment separately.*



*Alarm: When we set record period for “Alarm” and when the alarm is triggered, the NVR recorder will cut a piece of video (minimal video length: 30s) of the alarm and store the video separately.*



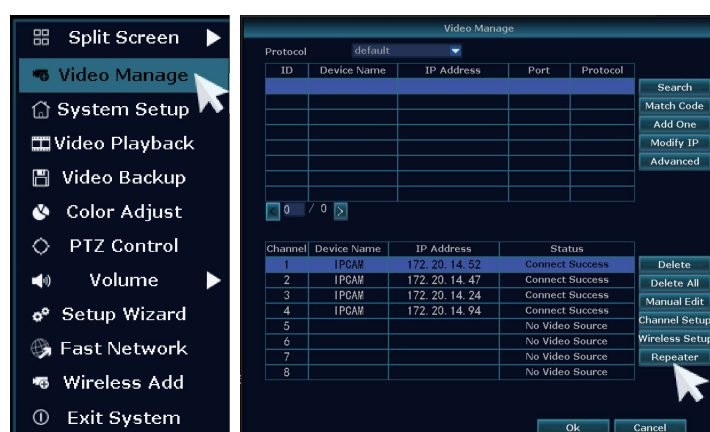
## Wi-Fi Range Extension - Repeater

If you have a big house or a farm, the spots where you want to install your cameras may exceed the optimal Wi-Fi signal range of your router and affect the cameras' working performance.

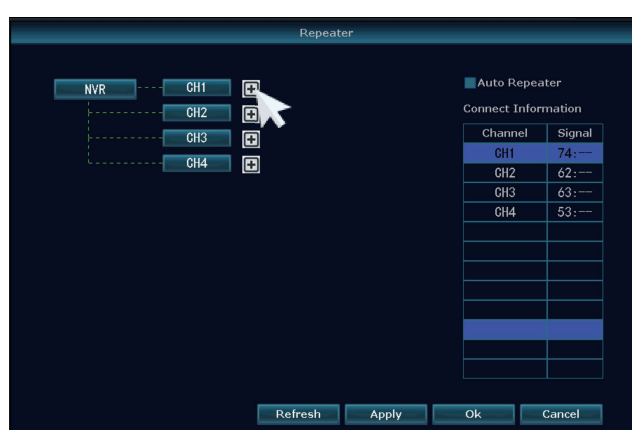
In order to extend the Wi-Fi range, we could use our cameras as relay devices.

Find the "Repeater" setting by following this path:

*Right-Click Menu > Video Manage > Repeater*



The system will build network topology automatically in a few seconds. After the topology process, you will see all the cameras connected to the NVR recorder.

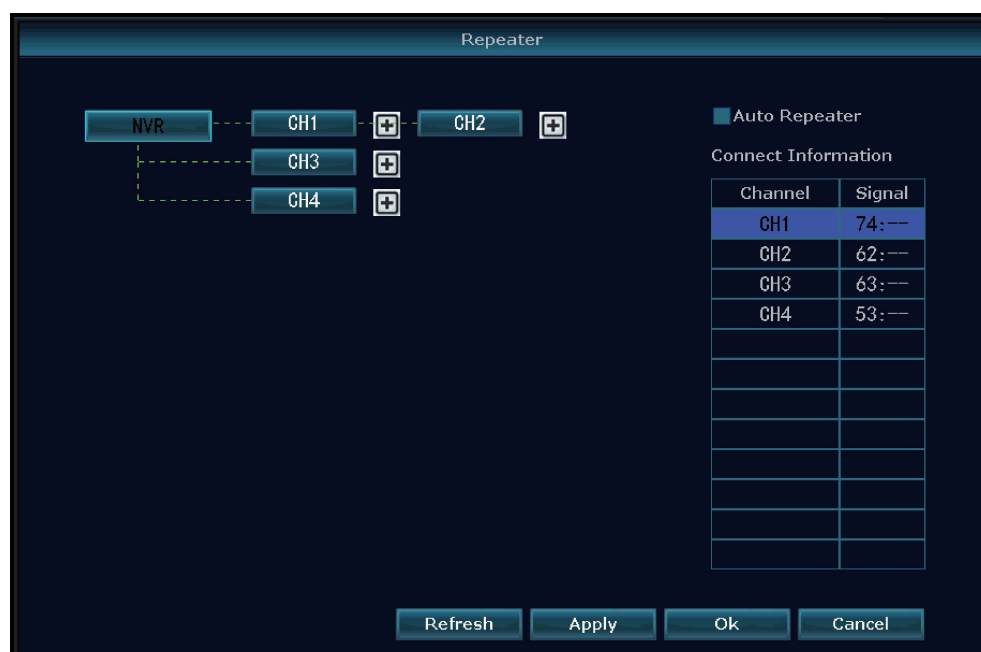


For example, if your camera A (connected to Channel 1) is at your front door and you want to install your camera B (connected to Channel 2) at your barn 100 feet away from your house, which is out of your Wi-Fi signal range, please click the "+" button behind CH1 and choose CH2.





When you see your CH2 moves next to CH1, it means the extension is done. The CH1 will receive signal from the NVR recorder and send it to CH2! Well played!



*\* Notice: The theoretical extension distance is 300 feet (Strong Wi-Fi signal, open field, no obstacle). The practical distance might be influenced by numerous factors such as the signal strength, the obstacle, the material of the obstacle, etc.*

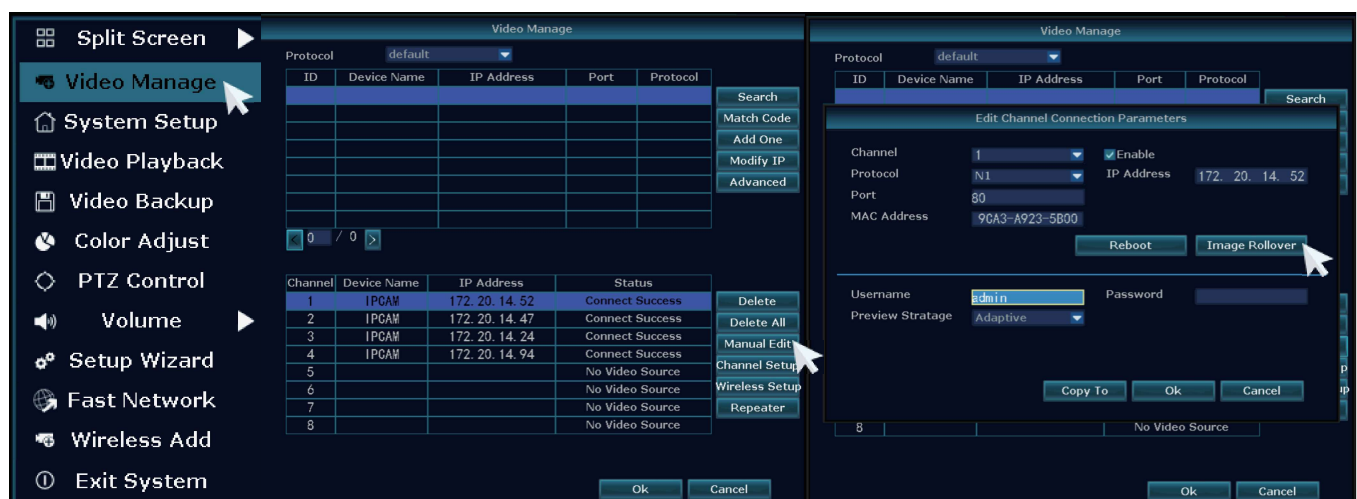
## IP Camera Image Rollover

Perhaps you want to put your camera under the roof of your porch or under the eaves of your house. You adjusted the camera angle, climbed up the ladder, finished the installation, climbed down the ladder, ran back to your monitor excitedly and you found that the image is upside down!

Climbing back on the ladder to adjust camera angle is so annoying and frustrating but you have to fix it. Don't worry, we got it! When you accidentally install the camera upside down, you can simply roll over the image with only 4 clicks on the mouse!

Enter *“Manual Edit”* in *“Video Manage”*.

*Right-Click Menu > Video Manage > Manual Edit*



Choose the channel which you would like to roll over its image then click the *“Image Rollover”* button. You will see that the image of your upside-down camera is corrected immediately.

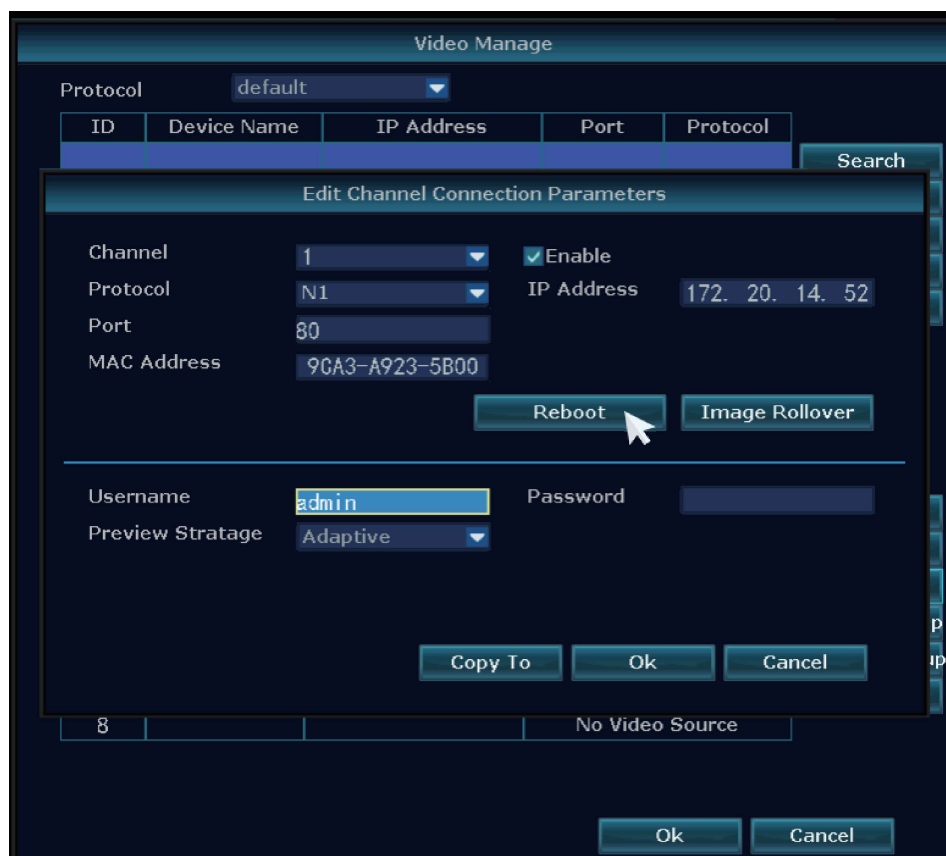


## Reboot IP Camera

All the cameras are pre-set in the factory and all the parameters are ready for plug & play use. However, problems may happen. If you meet troubles using our security camera system, especially when the camera can not be connected to the NVR recorder or the camera shows a black screen, reset the IP camera may be the fastest resolution to solve the problem.

Please follow this path to open the manual editable settings of the IP camera:

*Right-Click Menu > Video Manage > Manual Edit*



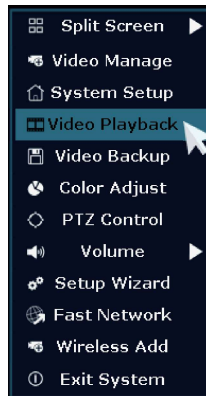
Click on the "Reboot" button, a window will pop up to ask you that, to reboot the camera, restarting the system is necessary. If you are ready to do so, click "Yes" to continue.

The system and the camera will both restart. If the camera still doesn't work, please contact us for further instruction and help.

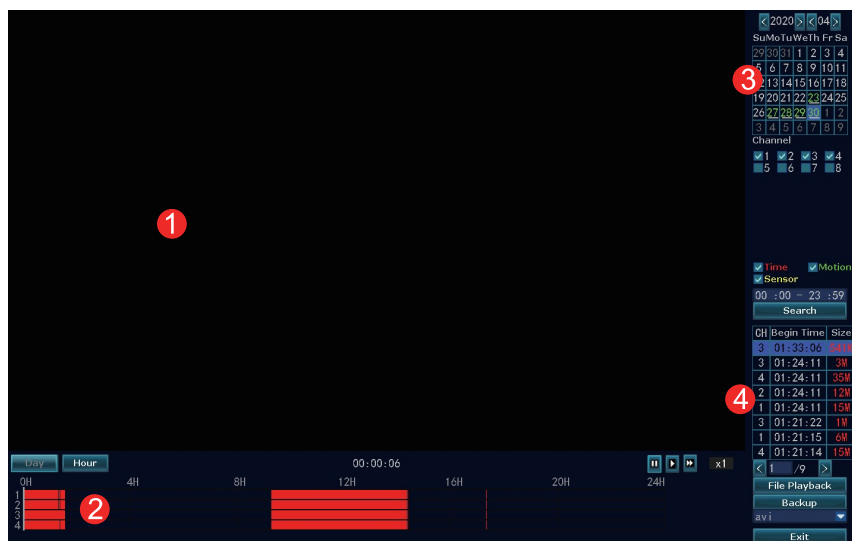
# Video Playback & Backup

Select “Video Playback” in the Right-Click Menu.

Right-Click Menu > Video Playback



## Video Playback Interface Introduction

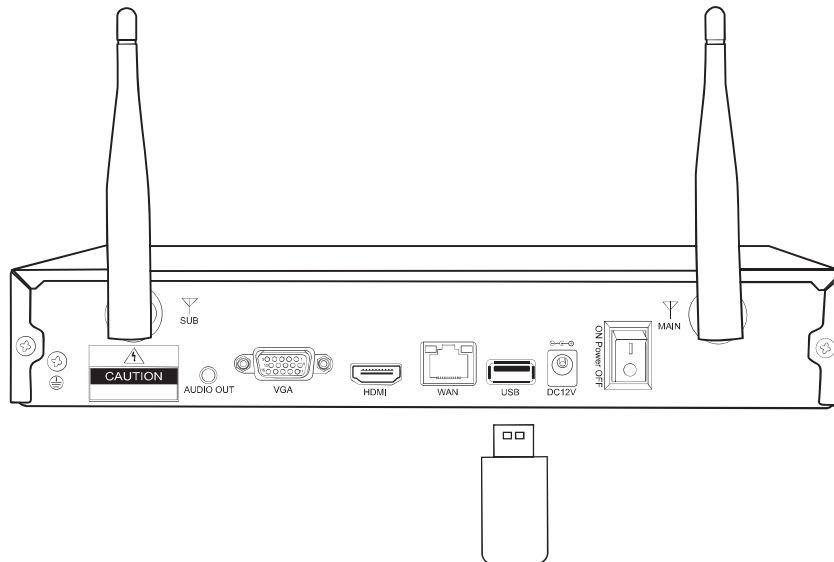


- 1.Split screens of each camera. Double left-click on the selected screen to zoom in
- 2.Time track for each camera
- 3.Date
- 4.Video search

e.g. Choose channel 1 + Motion + the period you want to check on then click “Search” to review all the motion records of channel 1 during the selected time period.

## Video Backup Instruction

Plug your USB disk or your HDD to the USB port on the NVR recorder.



*\* Notice: If the system is on when you plug in your USB disk, please reboot the system.*

Enter the “Video backup” interface.

*Right-Click Menu > Video backup*

Video Backup

Channel ☒ All  
☒ 1 ☒ 2 ☒ 3 ☒ 4 ☒ 5 ☒ 6 ☒ 7 ☒ 8

Record Mode ☒ Time ☒ Motion ☒ Sensor

Search Time 2020/04/30 00 :00 - 23 :59

USB: Kingst(25.86GB/28.82GB)

ID	Channel	Mode	Begin Time	End Time	Duration	Size	Select

< 1 /1 > avi

Select the channel, the record mode, and the time period of the videos that you would like to backup and click “Search”.

Video Backup

Channel

☒ All

☒ 1

☒ 2

☒ 3

☒ 4

☒ 5

☒ 6

☒ 7

☒ 8

Record Mode

☒ Time

☒ Motion

☒ Sensor

Search Time

2020/04/30

00 :00 – 23 :59

Search

USB:

Kingst (25.86GB/28.82GB)

Format

ID	Channel	Mode	Begin Time	End Time	Duration	Size	Select
1	3	Time	01:33:06	01:36:17	00:03:11	1M	<input type="checkbox"/>
2	3	Time	01:24:11	01:33:01	00:08:50	3M	<input type="checkbox"/>
3	4	Time	01:24:11	01:36:17	00:12:06	40M	<input checked="" type="checkbox"/>
4	2	Time	01:24:11	01:36:17	00:12:06	14M	<input type="checkbox"/>
5	1	Time	01:24:11	01:36:17	00:12:06	18M	<input type="checkbox"/>
6	3	Time	01:21:22	01:23:27	00:02:05	1M	<input type="checkbox"/>
7	1	Time	01:21:15	01:23:27	00:02:12	6M	<input type="checkbox"/>
8	4	Time	01:21:14	01:23:27	00:02:13	15M	<input type="checkbox"/>

<

1

/9

>

avi

Backup

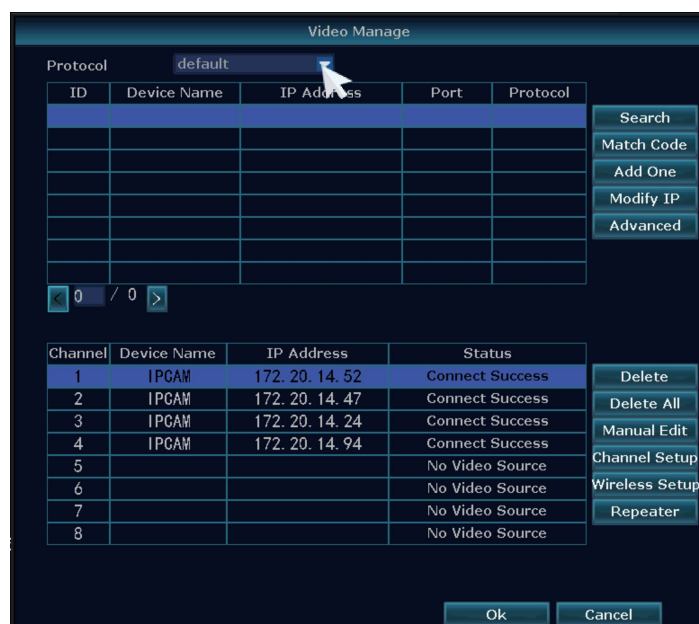
Cancel

Select the videos then click “Backup”.

# Add New Cameras

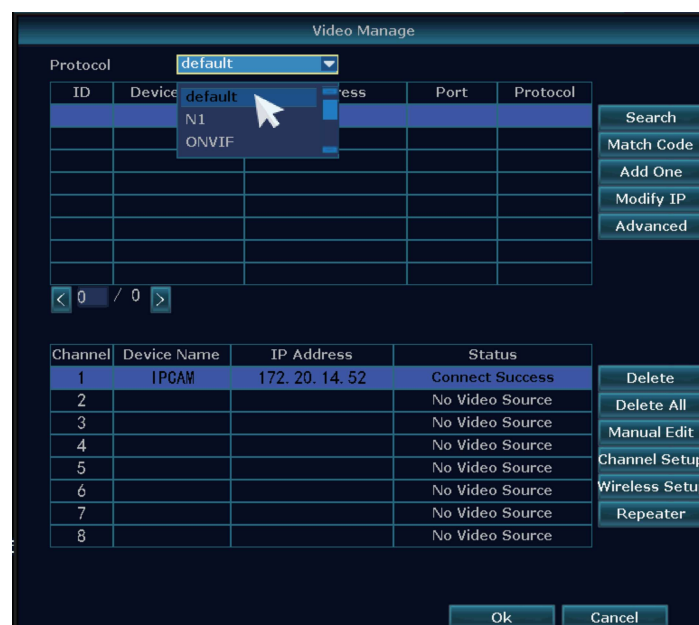
## How to Add Techage Cameras

1. Enter "Video Manage".



The screenshot shows the 'Video Manage' window. At the top, there is a 'Protocol' dropdown menu currently set to 'default'. Below it is a table with columns: ID, Device Name, IP Address, Port, and Protocol. To the right of this table are buttons: Search, Match Code, Add One, Modify IP, and Advanced. Below the first table is a pagination control showing '< 0 / 0 >'. At the bottom of the window are 'Ok' and 'Cancel' buttons.

2. Set "Protocol" to "default".



The screenshot shows the 'Video Manage' window with the 'Protocol' dropdown menu open. The dropdown list shows 'default' (selected), 'ONVIF', and 'N1'. The table below shows the current state of the camera list. To the right of the table are buttons: Search, Match Code, Add One, Modify IP, and Advanced. Below the table is a pagination control showing '< 0 / 0 >'. At the bottom of the window are 'Ok' and 'Cancel' buttons.

Channel	Device Name	IP Address	Status
1	IPCAM	172. 20. 14. 52	Connect Success
2			No Video Source
3			No Video Source
4			No Video Source
5			No Video Source
6			No Video Source
7			No Video Source
8			No Video Source

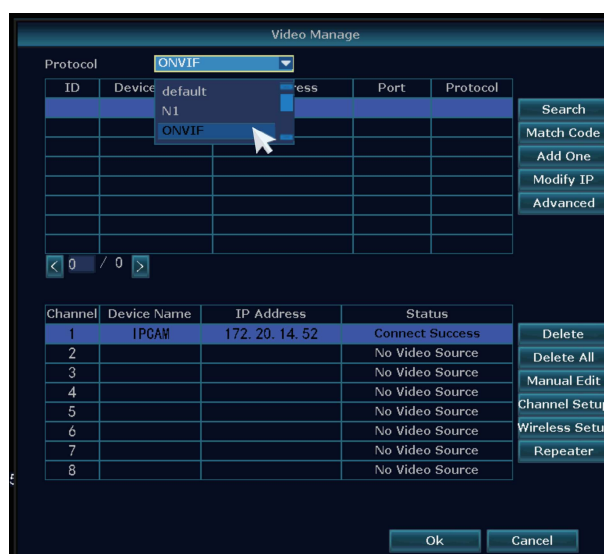
3. Click "Search", the new cameras will be found in a few seconds then click "Add One" if the cameras don't automatically show the pictures.

## How to Add Other ONVIF Cameras

1. Enter “Video Manage”.



2. Set “Protocol” to “ONVIF”.



*\*Notice: Please be aware that the new cameras of other brands must support ONVIF protocol or the NVR recorder won't recognize them. If you are not sure whether your camera supports ONVIF protocol, please contact the seller of your cameras for further information.*

3. Click “Search”, the new cameras will be found in a few seconds then click “Add One” if the cameras don’t automatically show the pictures.

# Set the Password & Reset the System

## Change the Password

If you are using this system in your shop or your office, a password can be important to protect your videos.

*Right-Click Menu > System Setup > System Admin > User > Set Password*



## How to Reset the System



When you meet troubles with the system, a reset might be able to help you solve the issue.

*Right-Click Menu > System Setup > System Admin > Factory Setting > Simple Restore*



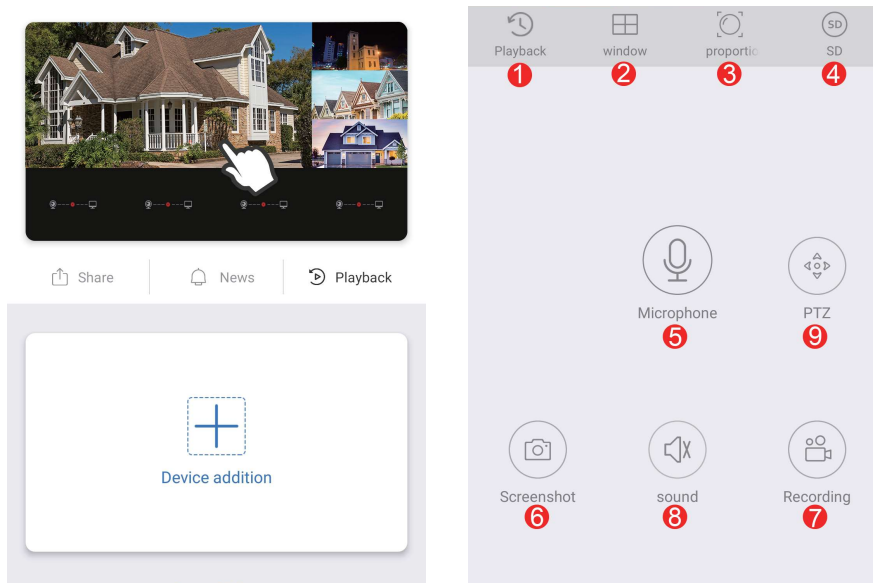


# Advanced Functions of EseeCloud App

## Live Streaming Video Monitoring

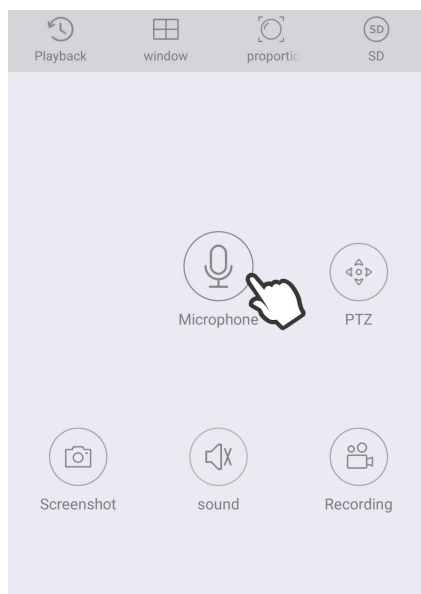
With the App, you can access your security camera systems from distance and watch what is happening on the other side of the cameras.

Tap on the device which you have added to the App.

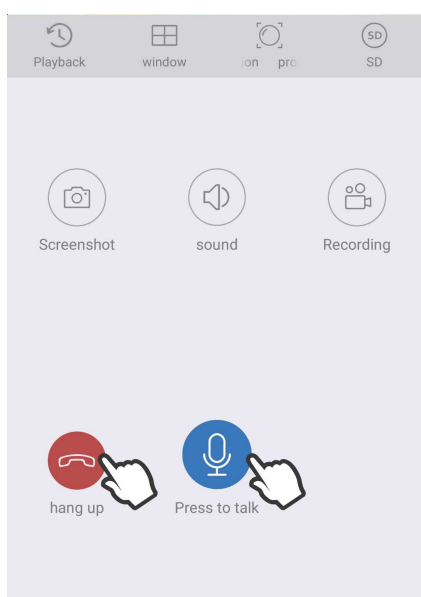


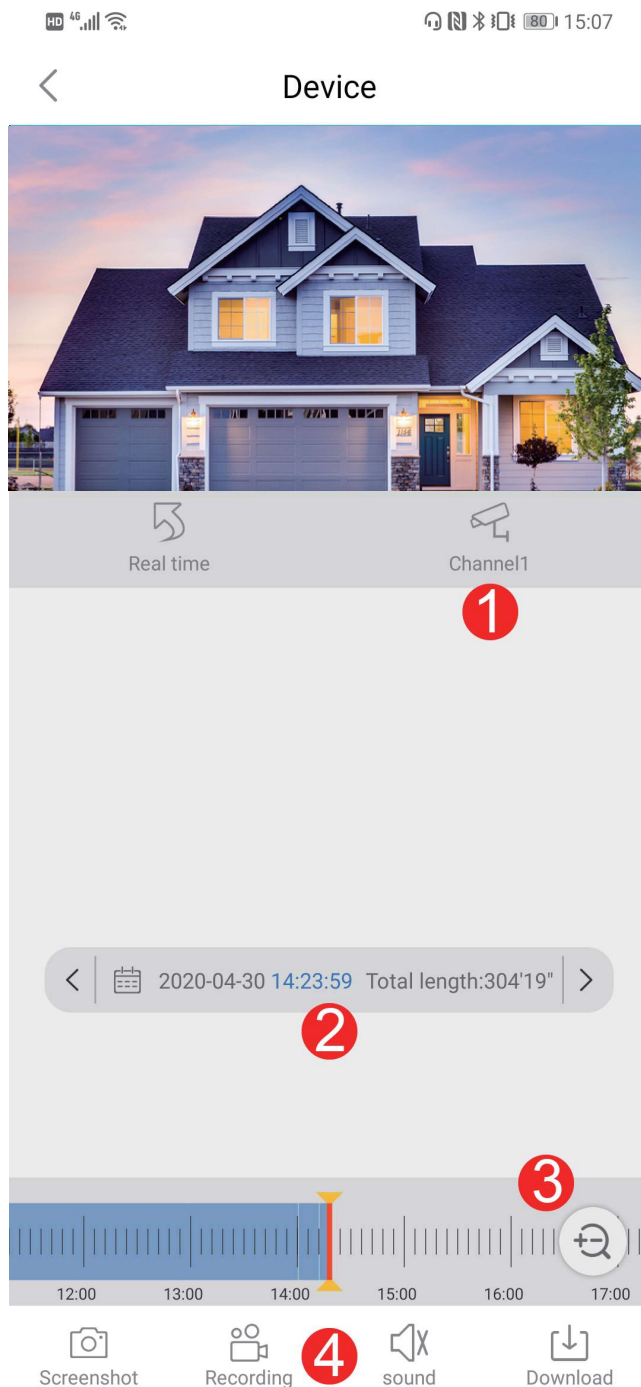
1. Playback: Check video records stored in your NVR recorder
2. Window: Change split-screen mode
3. Proportion: Change the video aspect ratio
4. SD/HD: Change the sharpness of the videos
5. Microphone: Hold to talk through the cameras
6. Screenshot: Take a screenshot of your live streaming video
7. Recording: Record your live streaming video
8. Sound: Enable/disable the sound of your live streaming video
9. PTZ: Not applicable

Select the channel through which you want to talk then tap on the “*Microphone*” button.



Press and hold the “*Press to talk*” button to communicate with the other side of the camera or tap the “hang up” button to cancel the intercom.

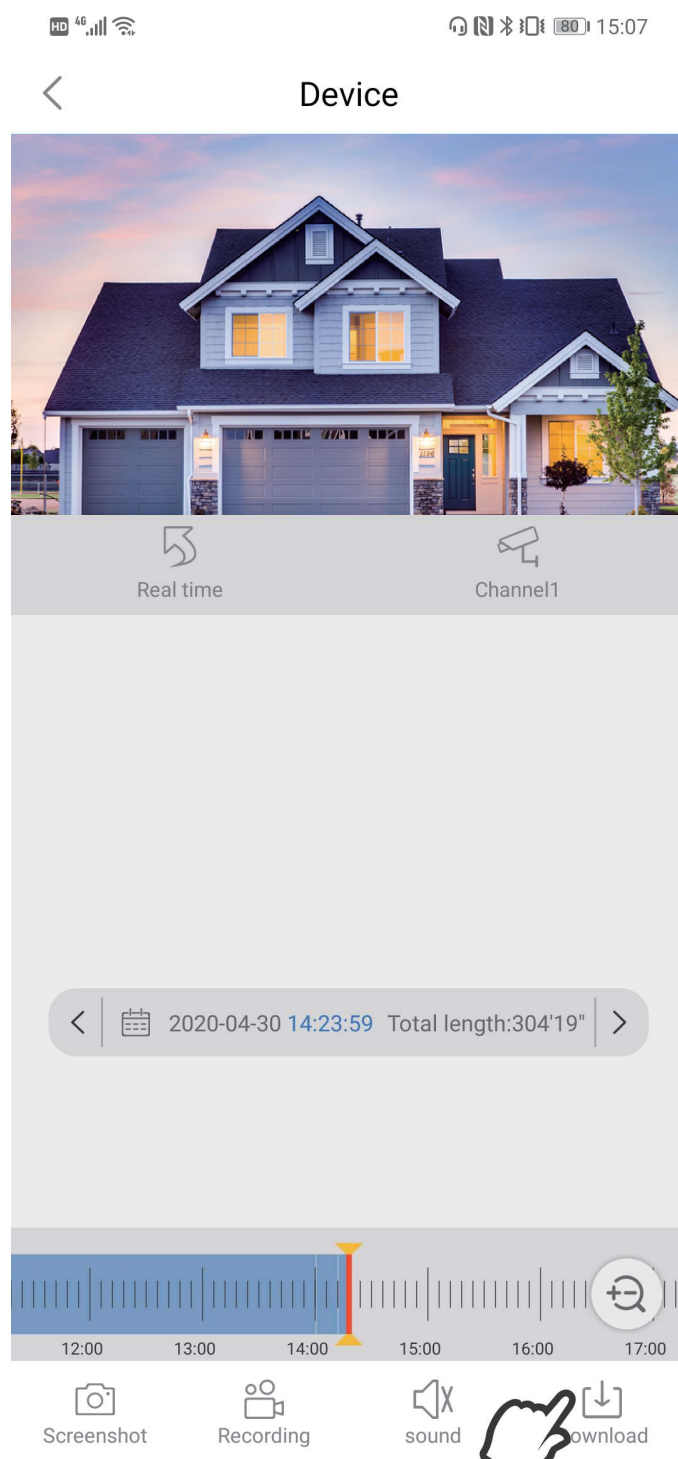




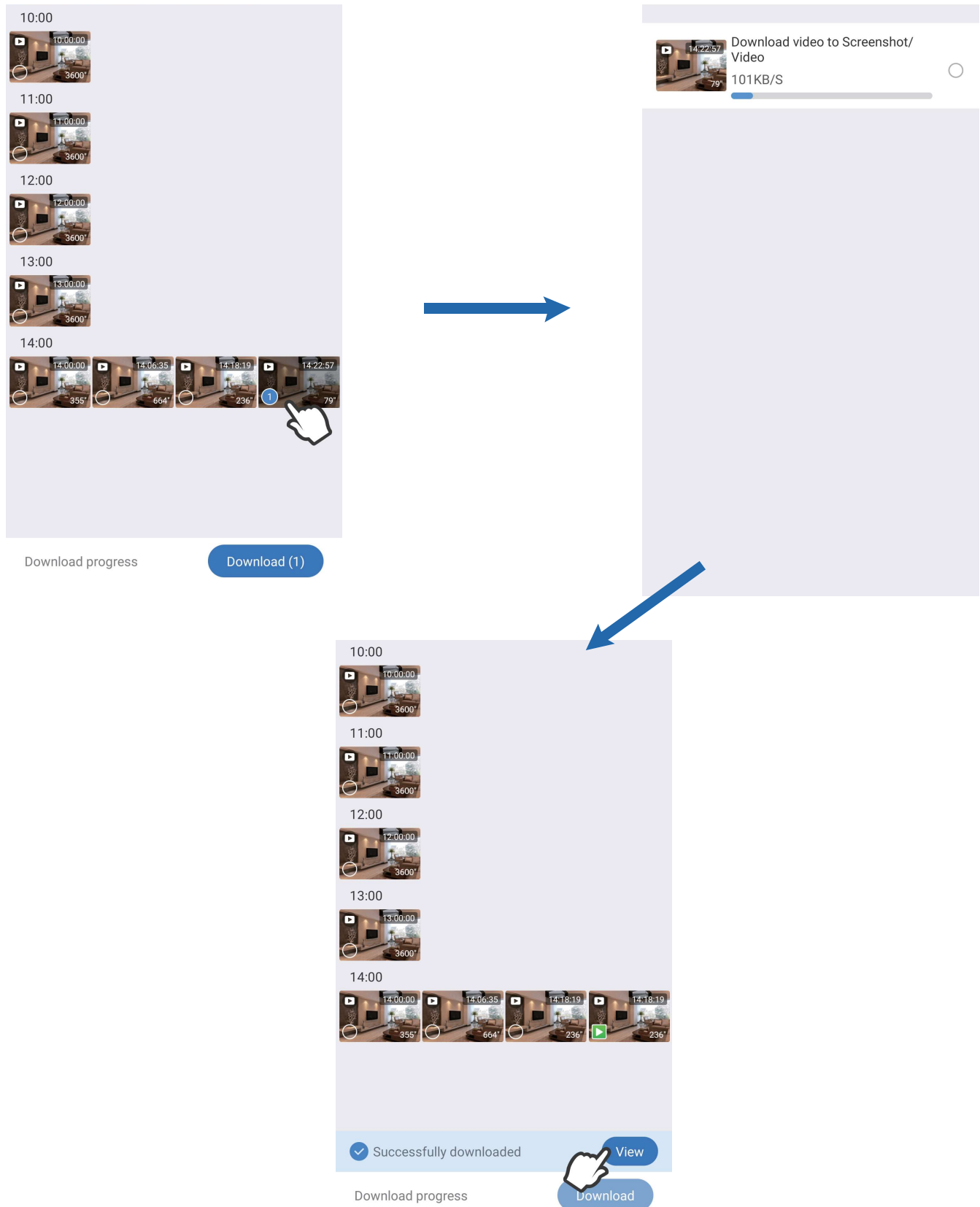
1. Choose Channel
2. Date & Time
3. Time Track of Video Records
4. Operational Buttons

## Download & Share Your Videos on Your Phone

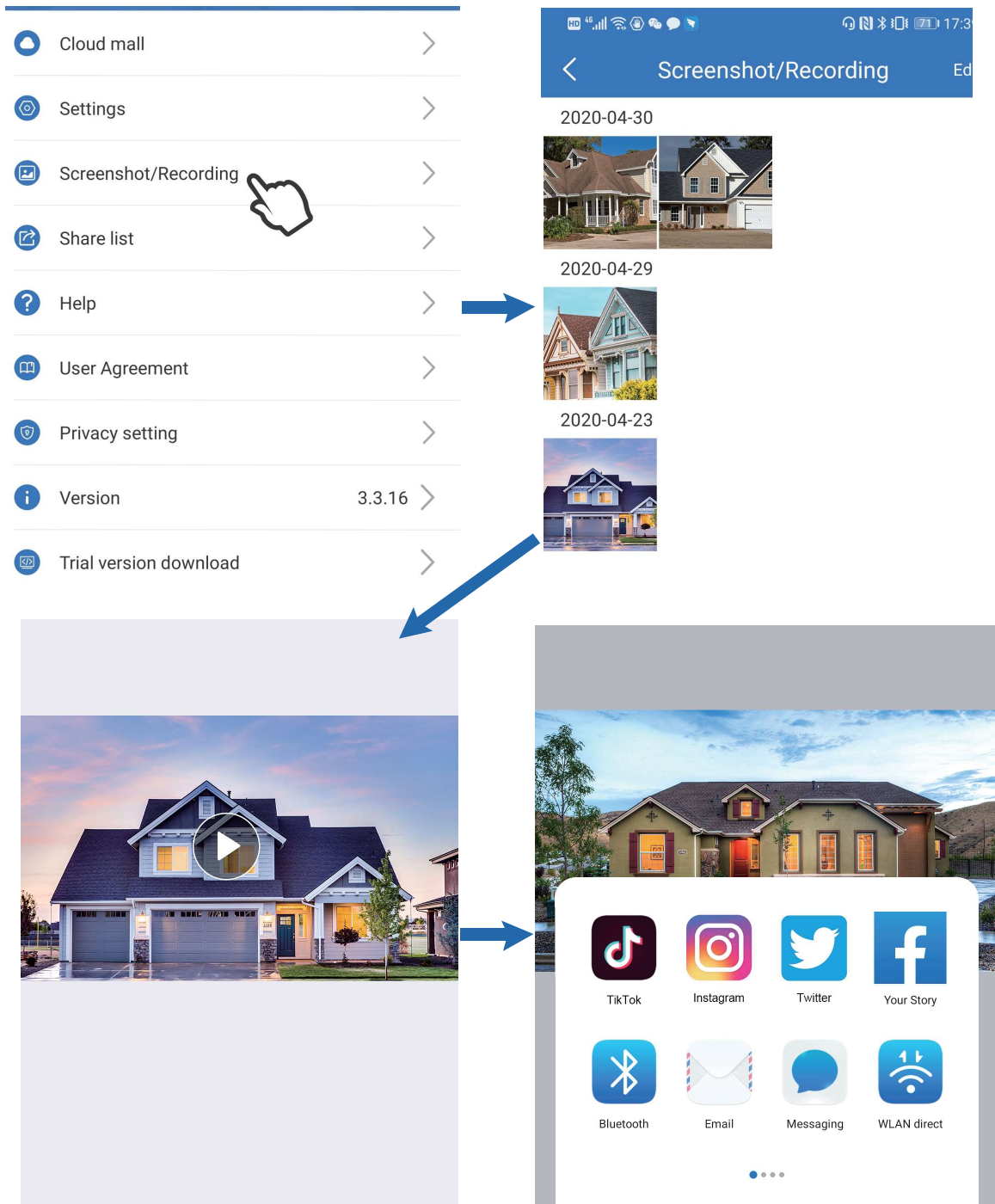
On ESeeCloud App, you can access remotely to your NVR video storage. In the “Playback” page, tap the “Download” button on the right bottom of the screen.



You will see the video records of the chosen channel on the date and time which you have selected. Choose the videos then tap “Download”.



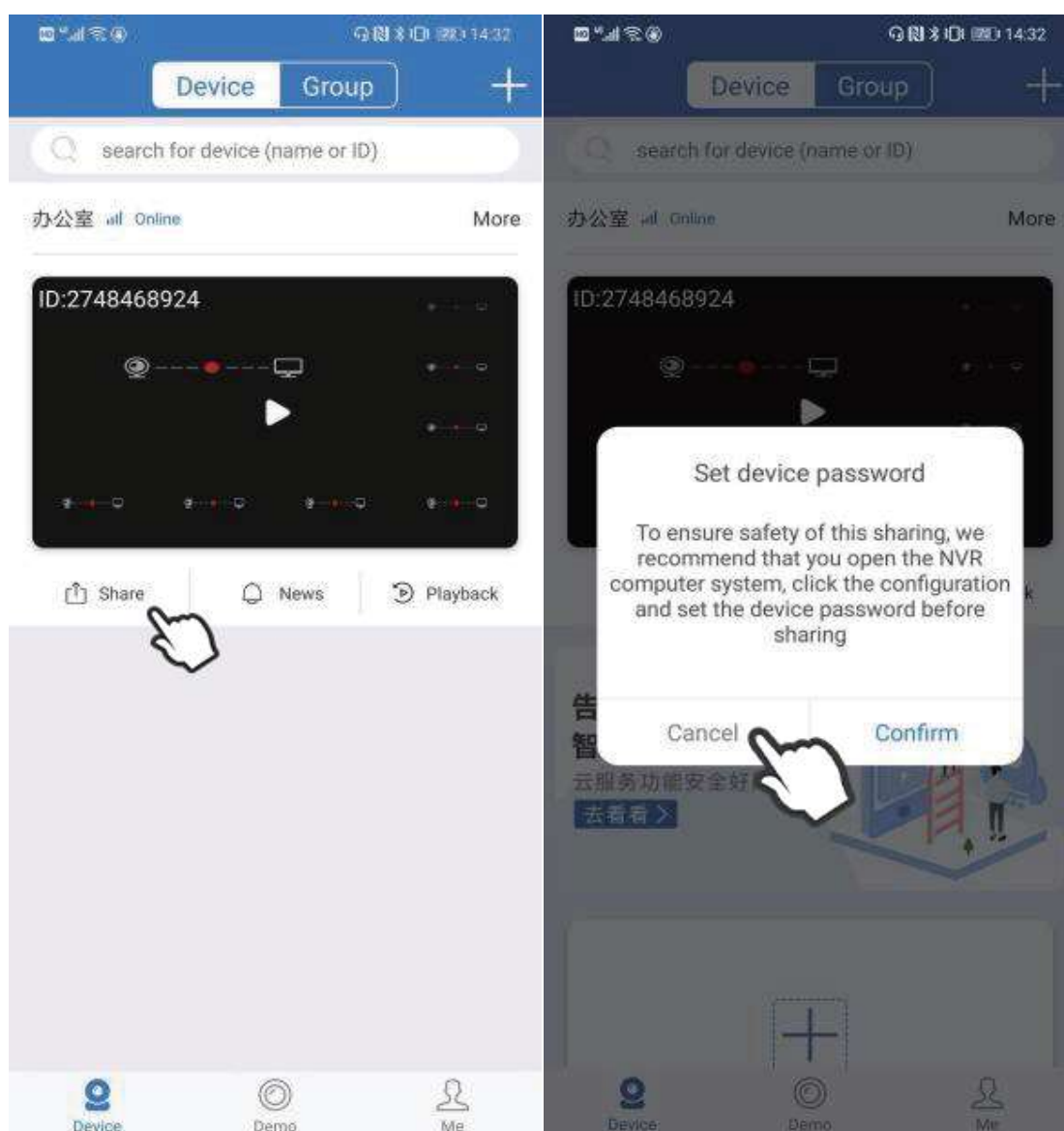
The video will be stored in “Screenshot/Recording” in “Me”. If you want to share the video with your friends, choose the video then tap on the share icon on the right top of the screen.



## Share Your Device with Your Family

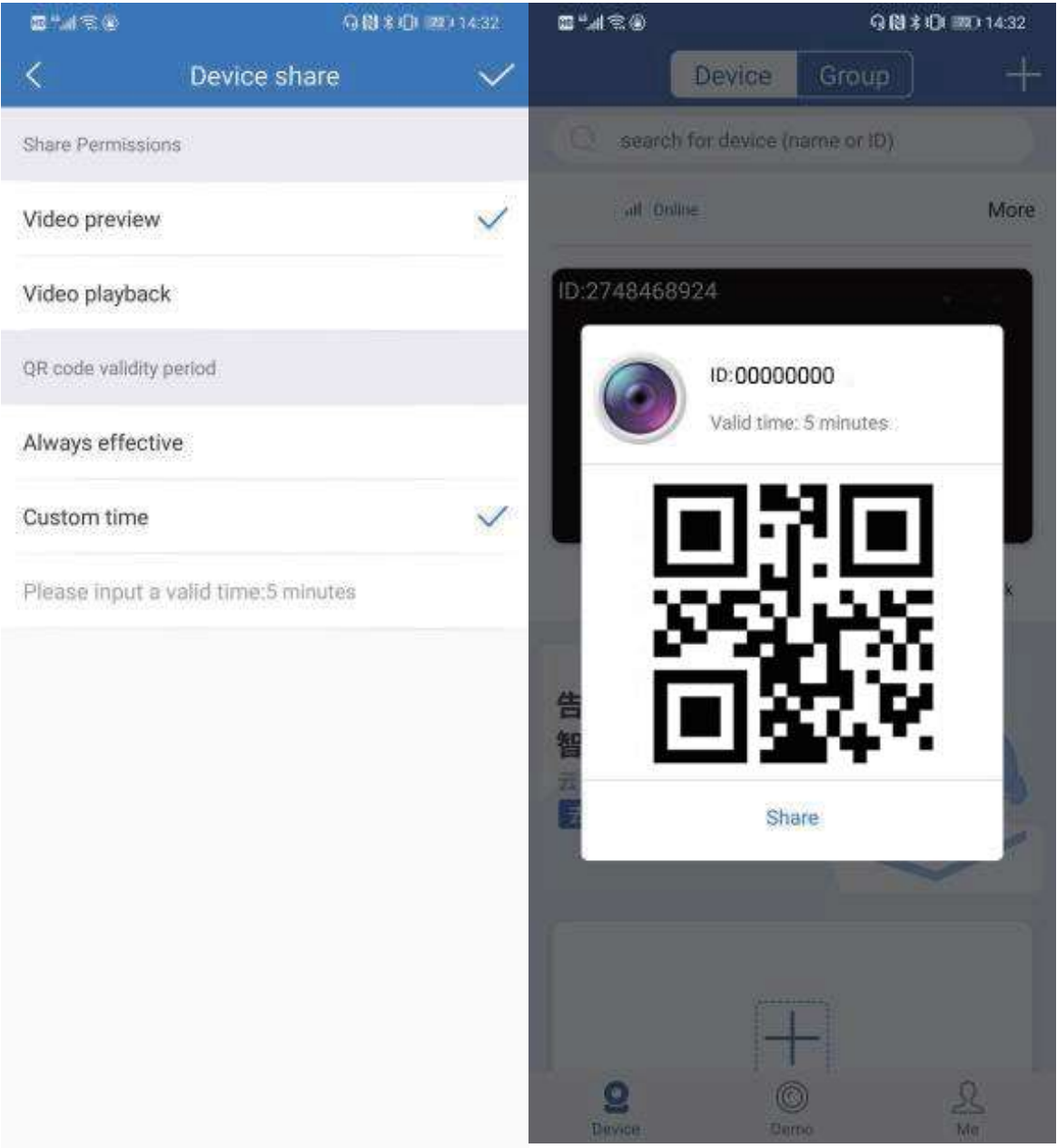
In order to share your device with your family, your family must have ESeeCloud App on their smartphone and register an account.

Tap “Share”, if you see a pop up, tap “Cancel”.






Choose the permission you would like to share with your family.







The App will generate a QR code. Scan this QR code with your family's smartphone then your device will show on their own ESeeCloud App.

Here are all the settings and functions of the Techage Wi-Fi Wireless Surveillance System. If you have any questions or problems, feel free to contact us.

Techage Customer Service E-mail: [support@techage.com](mailto:support@techage.com)

**Be Safe**





[www.techage.com](http://www.techage.com)  
[support@techage.com](mailto:support@techage.com)

