



Mini Portable Speed Dome

User Manual

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Symbol Conventions

The symbols that may be found in this document are defined as follows.

Symbol	Description
 Danger	Indicates a hazardous situation which, if not avoided, will or could result in death or serious injury.
 Caution	Indicates a potentially hazardous situation which, if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.
 Note	Provides additional information to emphasize or supplement important points of the main text.

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Chapter 1 Introduction

1.1 Product Introduction

Portable speed dome (hereinafter referred to as "device") supports encoding and decoding audio and video data and transmitting data through mobile network and wireless network, etc. It is widely applied to temporary working scenarios like home decoration site, loading and unloading area, and pop-up shop.

1.2 Key Feature

- Slim design and light weight. Supports many mounting methods like tripod mounting, wall mounting, and magnet mounting.
- High resolution and clear image.
- Supports switching day and night modes automatically and supplying IR light to realize day and night operation.
- Supports two-way audio.
- Supports TF card.
- Supports 4G, Wi-Fi, Wi-Fi hotspot, and GPS. The Wi-Fi hotspot allows you to connect the device to mobile phone directly and control the device conveniently.

Chapter 2 Activation and Login

2.1 Activation

For the first-time access, you need to activate the device by setting an admin password. No operation is allowed before activation. The device supports multiple activation methods, such as activation via SADP software and web browser.

2.1.1 Default Information

Device default IP address and user name are as follows.

- Default IP address: 192.168.0.125
- Default port No.: 80
- Default user name: admin

2.1.2 Activate via SADP

SADP is a tool to detect, activate, and modify the IP address of the devices over the LAN.

Before You Start

- Get the SADP software from the supplied disk or the official website <http://www.hikvision.com/>, and install it according to the prompts.
- The device and the computer that runs the SADP tool should belong to the same network segment.

The following steps show how to activate one device and modify its IP address. For batch activation and IP address modification, refer to *User Manual of SADP* for details.

Steps

1. Run the SADP software and search the online devices.
2. Find and select your device in online device list.
3. Enter a new password (admin password) and confirm the password.



Caution

STRONG PASSWORD RECOMMENDED-We highly recommend you create a strong password of your own choosing (using a minimum of 8 characters, including upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. And we recommend you reset your password regularly, especially in the high security system, resetting the password monthly or weekly can better protect your product.

-
4. Click **Activate** to start activation.

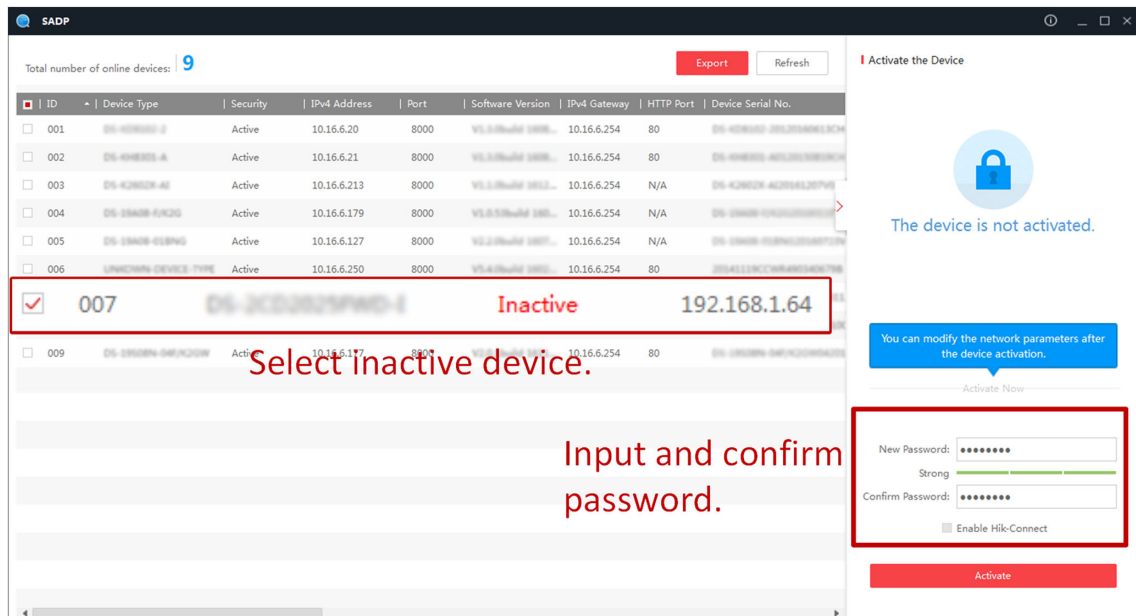


Figure 2-1 Activate via SADP

Status of the device becomes **Active** after successful activation.

5. Modify IP address of the device.

- 1) Select the device.
- 2) Change the device IP address to the same network segment as your computer by either modifying the IP address manually or checking **Enable DHCP**.
- 3) Enter the admin password and click **Modify** to activate your IP address modification.

2.1.3 Activate via Web Browser

Use web browser to activate the device. For the device with the DHCP enabled by default, use SADP software or client software to activate the device.

Before You Start

Ensure the device and the computer connect to the same LAN.

Steps

1. Change the IP address of your computer to the same network segment as the device.
2. Open the web browser, and enter the default IP address of the device to enter the activation interface.
3. Create and confirm the admin password.



Caution

STRONG PASSWORD RECOMMENDED-We highly recommend you create a strong password of your own choosing (using a minimum of 8 characters, including upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. And we recommend you reset your password regularly, especially in the high security system, resetting the password monthly or weekly can better protect your product.

4. Click **OK** to complete activation.
5. Go to the network settings interface to modify IP address of the device.

2.2 Login

You can log in to the device via web browser for further operations such as live view and local configuration.

Before You Start

Connect the device to the network directly, or via a switch or a router.

Steps

1. Open the web browser, and enter the IP address of the device to enter the login interface.
2. Enter **User Name** and **Password**.
3. Click **Login**.
4. Download and install appropriate plug-in for your web browser. Follow the installation prompts to install the plug-in.
5. Reopen the web browser after the installation of the plug-in and repeat steps 1 to 3 to login.
6. **Optional:** Click **Logout** on the upper right corner of the interface to log out of the device.

Chapter 3 Live View and Local Configuration

3.1 Live View

3.1.1 Start/Stop Live View

Click  to start live view. Click  to stop live view.

3.1.2 Select Window Division Mode

Click  to select a window division mode.

3.1.3 Select Image Display Mode

Click  to select an image display mode.

3.1.4 Select Stream Type

Click  to select the stream type. It is recommended to select the main stream to get the high-quality image when the network condition is good, and select the sub-stream to get the fluent image when the network condition is not good enough.

3.1.5 Capture Picture Manually

You can capture pictures manually on the live view image and save them to the computer.

Steps

1. Click  to capture a picture.
2. **Optional:** Click **Configuration** → **Local** → **Live View Parameters** and select **Image Format**.
3. **Optional:** Click **Configuration** → **Local** → **Picture and Clip Settings** to view the saving path of snapshots in live view.

3.1.6 Record Manually

You can record videos manually on the live view image and save them to the computer.

Steps

1. Click  to start live view.
2. Click  to start recording.

3. Click  to stop recording.
4. **Optional:** Click **Configuration** → **Local** → **Record File Settings** to view the saving path of record files.

3.1.7 Start/Stop Two-Way Audio

The device supports two-way audio with terminals, such as computers.

Before You Start

The device is equipped with an audio input interface and audio output interface, which support connecting with the corresponding devices, such as microphones and loudspeakers.

Steps

1. Select a window to start two-way audio.
2. Click  to start live view.
3. Click  to start two-way audio.

When speaking at the PC end, you can hear the voice at the device end and vice versa.

4. Click  to stop two-way audio.

3.1.8 Enable/Disable Audio

Enable the audio if necessary after connecting an audio input device under the audio & video stream. Click  to enable and adjust it. Click the icon again to disable this function.

3.1.9 Enable Digital Zoom

You can enable digital zoom to zoom in a certain part of the live view image.

Steps

1. Click  to start live view.
2. Click  to enable digital zoom.
3. Place the cursor on the live view image position which needs to be zoomed in. Drag the mouse rightwards and downwards to draw an area.
The area will be zoomed in.
4. Click any position of the image to restore to normal image.
5. Click  to disable digital zoom.

3.1.10 Display in Full Screen

You can display the live view image in full screen.

On **Live View** interface, click  to display the live view image in full screen.

In full screen mode, press **esc** on the keyboard to exit full screen mode.

3.2 Local Configuration

Go to **Configuration → Local** to set the live view parameters and change the saving paths of videos, captured pictures, scene pictures, etc.

The screenshot displays the 'Local Configuration' window with three main sections:

- Live View Parameters:** Includes radio buttons for Protocol Type (TCP selected, UDP, HTTP, HTTPS), Stream Type (Main Stream selected, Sub-Stream), Live View Performance (Shortest Delay, Balanced selected, Fluency), Rules Information (Enable, Disable selected), Image Size (Auto-fill selected, 4:3, 16:9), and Image Format (JPEG selected, BMP).
- Record File Settings:** Includes radio buttons for Record File Size (256M, 512M selected, 1G), and text input fields for 'Save record files to' and 'Save downloaded files to' (both pointing to C:\Users\...\Web\RecordFiles and C:\Users\...\Web\DownloadFiles respectively) with 'Browse' buttons.
- Picture and Clip Settings:** Includes text input fields for 'Save snapshots in live view to', 'Save snapshots when playback to', and 'Save clips when playback to' (all pointing to C:\Users\...\Web\CaptureFiles, C:\Users\...\Web\PlaybackPics, and C:\Users\...\Web\PlaybackFiles respectively) with 'Browse' buttons.

A blue 'Save' button is located at the bottom center.

Figure 3-1 Local Configuration

Protocol Type

Select the network transmission protocol according to the actual needs.

TCP

Ensures complete delivery of streaming data and better video quality, but the real-time transmission will be affected.

UDP

Provides real-time audio and video streams.

HTTP

Gets streams from the device by a third party client.

HTTPS

Gets streams in https format.

Stream Type

Main Stream

Select it to get the high-quality image when the network condition is good.

Sub-Stream

Select it to get the fluent image when the network condition is not good enough.

Live View Performance

Shortest Delay

The video is real-time, but its fluency may be affected.

Balanced

Balanced mode considers both the real time and fluency of the video.

Fluency

When the network condition is good, the video is fluent.

Rules Information

If you enable this function, tracking frames will be displayed on the live view interface when there are vehicles passing.

Image Size

The display ratio of the live view image.

Image Format

The saving format of manually captured images.

Record File Size

Select the packed size of the manually recorded video files. After the selection, the max. record file size is the value you selected.

Save record files to

Set the saving path of the manually recorded video files.

Save downloaded files to

Set the saving path of the download files.

Save snapshots in live view to

Set the saving path of the manually captured pictures in live view mode.

Save snapshots when playback to

Set the saving path of the manually captured pictures in playback mode.

Save clips when playback to

Set the saving path of the clips in playback mode.

Chapter 4 PTZ

Click **Live View**. Click  and click  to show the PTZ control panel.

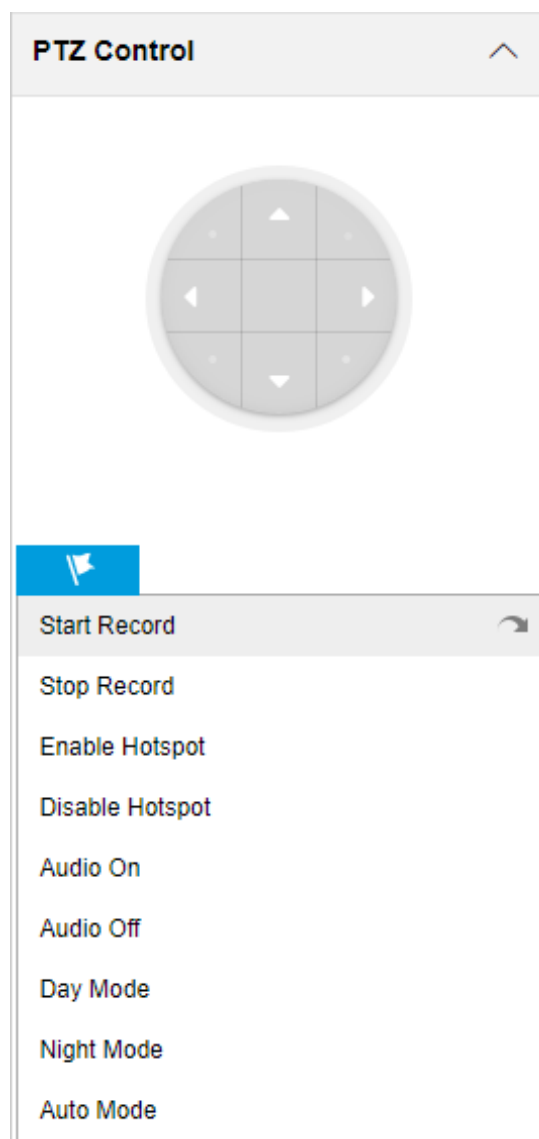


Figure 4-1 PTZ Control

- Hold direction buttons to make the PTZ pan or tilt.
- Select presets from the list and click  on the right to call the presets to realize the corresponding functions.

Chapter 5 Record

5.1 Set Storage Card

If you want to store the files to the storage card, make sure you insert and format the storage card in advance.

Before You Start

Install the storage card to the device.

Steps

1. Go to **Configuration → Storage → Storage Management → HDD Management → HDD Storage** .

HDD Storage						Refresh	Format
☐	HDD No	Free space/Space	Status	Type	Property	Operation	
☐	1	1.42/29.52GB	Normal	SATA	R/W		

Figure 5-1 Set Storage Card

2. **Optional:** Click **Refresh** to refresh the storage card status.

3. Check the storage card, and click **Format** to format it.



For the newly installed storage card, you need to format it manually before using it normally.

5.2 Set Record Schedule

The device supports manual recording, auto recording, and PIR event triggering recording.

Steps



PIR mode is only available for the device supporting the function.

1. Go to **Configuration → Storage → Schedule Settings → Record Schedule** .

Record Configuration

Record Mode

Manual

Enable Recording Overwriting

☒

Save

Figure 5-2 Set Record Schedule

2. Select **Record Mode**.

Manual

In manual recording mode, you can press the recording button on the device to start or stop recording manually.

Auto

In auto recording mode, the device will start recording automatically after the device is powered on, and the device will stop recording automatically after the device is powered off or sleeping. In auto recording mode, the recording button on the device is invalid.

PIR Mode

In PIR recording mode, the start and end of recording is controlled by PIR. The device will start recording when PIR detects humans, and stop recording if PIR detects no humans after 30 seconds. In PIR mode, the pre-recording time of 5 seconds will be enabled forcefully.

3. Optional: Enable recording overwriting as needed.

When the storage is full, the earliest videos will be overwritten.

4. Click **Save.**

Chapter 6 Playback

You can search, playback, and download videos that stored on the storage card.

Steps

1. Click **Playback**.
2. Select a channel.
3. Select a date.
4. Click **Search**.
5. Click  to start playback.
6. **Optional:** You can also do the following operations.

Set playback time

- Drag the time bar to the target time and click  to play the video.
- Click the current time point showed above the time bar and enter the target time point in the popup window. Click **OK** and click  to play the video.

Capture image

Click  to capture an image.

Clip record

Click  /  to start/stop clipping the record.

Play back in single frame

Click  once to play back the video in one frame.

Download record

- a. Click .
- b. Select the start time and end time.
- c. Click **Search**.
- d. Check record files that need to be downloaded.
- e. Click **Download**.

Stop playback

Click  to stop playback.

Slow forward

Click  to slow down the playback.

Fast forward

Click  to speed up the playback.

Digital zoom

Click  to enable digital zoom.

Click  to disable digital zoom.

Adjust volume

Click  to enable volume.

Chapter 7 Encoding and Display

7.1 Set Video Encoding Parameters

Set video encoding parameters to adjust the live view and recording effect.

- When the network signal is good and the speed is fast, you can set high resolution and bitrate to raise the image quality.
- When the network signal is bad and the speed is slow, you can set low resolution, bitrate, and frame rate to guarantee the image fluency.
- When the network signal is bad, but the resolution should be guaranteed, you can set low bitrate and frame rate to guarantee the image fluency.
- Main stream stands for the best stream performance the device supports. It usually offers the best resolution and frame rate the device can do. But high resolution and frame rate usually means larger storage space and higher bandwidth requirements in transmission. Sub-stream usually offers comparatively low resolution options, which consumes less bandwidth and storage space.

Steps

1. Go to **Configuration → Video → Video Encoding → Video Encoding**.
2. Set the parameters for different streams.

Stream Type

Video stream and video & audio stream are selectable.

Bitrate

Select relatively large bitrate if you need good image quality and effect, but more storage spaces will be consumed. Select relatively small bitrate if storage requirement is in priority.

Frame Rate

It is to describe the frequency at which the video stream is updated and it is measured by frames per second (fps). A higher frame rate is advantageous when there is movement in the video stream, as it maintains image quality throughout.

Resolution

The higher the resolution is, the clearer the image will be. Meanwhile, the network bandwidth requirement is higher.

Video Encoding

The device supports multiple video encoding types, such as H.264 and H.265. Supported encoding types for different stream types may differ. H.265 is a new encoding technology. Compared with H.264, it reduces the transmission bitrate under the same resolution, frame rate, and image quality.

Bitrate Type

Select the bitrate type to constant or variable. Constant bitrate means that the stream is compressed and transmitted at a comparatively fixed bitrate. Variable bitrate means that the device automatically adjust the bitrate under the set **Max. Bitrate**.

Video Quality

When bitrate type is variable, 6 levels of video quality are selectable. The higher the video quality is, the higher requirements of the network bandwidth.

I Frame Interval

It refers to the number of frames between two key frames. The larger the I frame interval is, the smaller the stream fluctuation is, but the image quality is not that good.

3. Click **Save**.

7.2 Set Audio Encoding Parameters

Set audio encoding parameters to adjust the audio effect.

Steps

1. Go to **Configuration → Audio → Audio Encoding → Audio Encoding**.
2. Select **Audio Encoding**.



Note

The audio encoding format should be the same as the embedded audio encoding format or the external device audio encoding format.

3. Click **Save**.

7.3 Set Image Parameters

You can adjust the image parameters to get clear image.

Steps

1. Go to **Configuration → Image → Image Parameters → Image Parameters**.
2. Set the following parameters according to the actual needs.

Image Adjustment

Brightness

This feature is used to adjust brightness of the image.

Contrast

This feature enhances the difference in color and light between parts of an image.

Saturation

This feature is used to adjust color saturation of the image.

Sharpness

Sharpness function enhances the detail of the image by sharpening the edges in the image.

Exposure

Exposure Mode

Auto

The iris, shutter, and gain values will be adjusted automatically according to the brightness of the environment.

Manual

In manual mode, you can adjust **Shutter Speed** and **Gain**.

Day/Night Switch

Auto

In auto mode, the day mode and night mode can switch automatically according to the light condition of environment.

Day

In day mode, the device displays color image. It is used for normal lighting conditions.

Night

In night mode, the image is black and white. Night mode can increase the sensitivity in low light conditions.

BLC

HLC (High Light Compensation)

HLC makes the camera identify and suppress the strong light sources that usually flare across a scene. This makes it possible to see the detail of the image that would normally be hidden.

Image Enhancement

Digital Noise Reduction

The digital noise reduction function processes the noise in the video signal. You can enable or disable the function. If you enable the function, you can adjust **DNR Level**.

Defog Mode

When there is fog in the image, you can enable this function to get clear image.

Video Adjustment

Mirror

If there exists visual angle flip between the video image and the actual monitoring scene, you can enable the mirror function to adjust the image to the normal visual angle. The flip direction can be set to **Center**, **Left-Right**, or **Up-Down**.

7.4 Set OSD

You can set the overlay information on the live view.

Steps

1. Go to **Configuration → Video → Text Overlay on Video → Text Overlay on Video**.

Overlay Information

Camera Name ☒

Camera Name

Display Date ☒

Time Format 24-hour ▼

Date Format YYYY-MM-DD ▼

Display Week ☒

Custom Information + Add

Status

OSD Size 16*16 ▼

Figure 7-1 Set OSD

2. Set the display content.
 - 1) Check **Camera Name**, and enter the name.
 - 2) Check **Display Date**, and set the time and date format.
 - 3) Check **Display Week** to display week.
3. **Optional:** Click **Add** and enter information if you want to add custom information.



Note

Up to 3 items of custom information can be added.

4. Set **OSD Size**.
5. Drag the red frames on the live view image to adjust the OSD positions.
6. Click **Save**.

Result

The set OSD will be displayed in live view image and recorded videos.

Chapter 8 Network Configuration

8.1 Set IP Address

IP address must be properly configured before you operate the device over network.

Steps

1. Go to **Configuration → Network → Network Parameters → Network Interface** .

NIC Settings

Select NIC	lan
DHCP	☐
IPv4 Address	
IPv4 Subnet Mask	255.255.255.0
IPv4 Default Gateway	
Mac Address	
MTU	1500

DNS Server

Preferred DNS Server	
Alternate DNS Server	

 Save

Figure 8-1 Set IP Address

2. Select NIC.
3. Set IP address.
 - Check **DHCP** and the device will get the IPv4 parameters from the network automatically. The device IP address is changed after enabling the function. You can use SADP to get the device IP address.



Note

The network that the device is connected to should support DHCP (Dynamic Host Configuration Protocol).

- Uncheck **DHCP** and you need to set the device IPv4 parameters manually. Enter **IPv4 Address**, **IPv4 Subnet Mask**, and **IPv4 Default Gateway**.

4. Set **MTU** according to actual needs.



Note

It stands for maximum transmission unit. It is the size of the largest protocol data unit that can be communicated in a single network layer transaction.

5. **Optional: Set Preferred DNS Server and Alternative DNS Server.**

- DNS server stands for domain name server. It is required if you need to visit the device with domain name. And it is also required for some applications (e.g., sending email).
- When **DHCP** is checked, this function is unavailable.

6. Click **Save**.

8.2 Connect to Mobile Network

Set the mobile network parameters if you want to connect the device to the network via the SIM card.

Before You Start

Install the SIM card.

Steps

1. Go to **Configuration → Network → Network Parameters → Mobile Network**.
2. Check **Enable Mobile Network**.

Mobile Network Configuration

Enable Mobile Network ☒

Mobile Network Number

User Name

Password

APN

MTU

Verification Protocol

Default Bearing

User Name

APN

Verification Protocol

 Save

Figure 8-2 Connect to Mobile Network

3. Set the mobile network parameters including **Mobile Network Number**, **User Name**, **Password**, and **APN**.



Note

- Consult the operator about the mobile network parameters.
- When you have enabled mobile network and Wi-Fi simultaneously, the device will use Wi-Fi in priority.

4. Click **Save**.

5. **Optional:** Click **Refresh** to view the mobile network status.

8.3 Set Port

The device port can be modified when the device cannot access the network due to port conflicts.

Steps



Caution

Do not modify the default port parameters at will, otherwise the device may be inaccessible.

1. Go to **Configuration → Network → Network Parameters → Port**.
2. View or edit the port.

HTTP Port

It refers to the port through which the browser accesses the device. For example, when the **HTTP Port** is modified to 81, you need to enter ***http://192.168.1.64:81*** in the browser for login.

RTSP Port

It refers to the port of real-time streaming protocol.

SDK Port

It refers to the port through which the client adds the device.

3. Click **Save**.
-



Note

- After editing the port, access to the device via the new port.
 - Reboot the device to bring the new settings into effect.
-

8.4 Connect to Wi-Fi

Set Wi-Fi parameters if you want to connect the device to the network via Wi-Fi.

Steps



Caution

Wi-Fi hotspot and Wi-Fi function cannot be enabled at the same time. Once one of them is enabled, the other will be disabled automatically.

1. Go to **Configuration → Network → Network Parameters → Wifi**.
2. Enable Wi-Fi.
3. Select **Wi-Fi Mode** as **Wi-Fi**.

Wi-Fi

Wi-Fi

☒ Enable

Wi-Fi Mode

☒ Wi-Fi ☐ Wi-Fi Hotspot

Wi-Fi Configuration

Wi-Fi List

Search

No.	SSID	Working Mode	Security Mode	Signal Str...
-----	------	--------------	---------------	---------------

Wi-Fi

SSID

XXXXXXX

Network Mode

infrastructure

Security Mode

WPA2-personal

Encryption Type

AUTO

☒ Key

Save

Figure 8-3 Connect to Wi-Fi

4. Click **Search** to search the Wi-Fi.
5. Select a Wi-Fi from the Wi-Fi list, and enter **Key**.
6. Click **Save**.
7. **Optional:** Set the IP address. Click **Set** to save the settings.
 - If the internet supports getting IP address automatically, select **IP Address Type** as **Dynamic IP**.
 - Set static Wi-Fi to enable the device to link to the fixed IP address for stable network environment. Select **IP Address Type** as **Static IP**, and enter parameters such as **IP Address**, **Subnet Mask**, **DNS Address**, etc.
8. **Optional:** Click **Refresh** to view the Wi-Fi connection status.

8.5 Set Wi-Fi Hotspot

Set Wi-Fi hotspot to use the device as a hotspot to share network to another terminal device.

Steps



Caution

Wi-Fi hotspot and Wi-Fi function cannot be enabled at the same time. Once one of them is enabled, the other will be disabled automatically.

1. Go to **Configuration → Network → Network Parameters → Wifi**.
2. Select **Wi-Fi Mode** as **Wi-Fi Hotspot**.

Wi-Fi

Wi-Fi ☒ Enable

Wi-Fi Mode ☐ Wi-Fi ☒ Wi-Fi Hotspot

Wi-Fi Configuration

SSID miniAI- [masked]

☒ Key [masked]

 Save

Figure 8-4 Set Wi-Fi Hotspot

3. Set the hotspot information.
 - 1) Enter **SSID** (hotspot name).
 - 2) Enter **Key**.
4. Click **Save**.

What to do next

After the Wi-Fi hotspot is set, you can connect the device to Mini AI Assistant Application for the configuration via mobile phone. Refer to **Configuration via Mini AI Assistant** for details.

8.6 Network Test

The device supports the network connection condition detection. For example, if the device failed to connect to the platform, you can detect the network connection between the device and the platform via network test.

Steps

1. Go to **Configuration → Network → Network Parameters → Network Test**.
2. Enter the domain name or IP address, and select the network card.
3. Click **Test Network Ping**.

Result

If testing succeeded, the network is pinged. If testing failed, the network is not pinged.

8.7 Set Satellite Positioning

Set satellite positioning if you want to get the specific location of the device, or synchronize time via satellite.

Steps

1. Go to **Configuration → Network → Network Parameters → Positioning**.

Positioning

Positioning Mode: GPS

Satellite Time Sync: ☒

GPS Upload Interval (s): 10

Positioning Information Overlaid Channel: ☒ Channel 1

 Save

Figure 8-5 Set Satellite Positioning

2. Select **Positioning Mode**.
3. **Optional:** Check **Satellite Time Sync** to enable time synchronization with the satellite time.
4. Set the following parameters.

GPS Upload Interval

The device will upload the positioning information to the connected platform every the set interval.

Positioning Information Overlaid Channel

The positioning information will be overlaid on the video of the selected channel when live view and playback.

5. Click **Save**.

8.8 Connect to Platform

8.8.1 Connect to ISUP Platform

ISUP is a platform access protocol. The device can be remotely accessed via this platform.

Before You Start

- Create the device ID on ISUP platform.
- Ensure the device can communicate with the platform normally.

Steps

1. Go to **Configuration → Network → Data Connection → ISUP**.

ISUP

Enable ISUP	☒
Protocol Version	v5.0
Address Type	IP Address
Server IP Address	
Server Port	7031
Device ID	
Key	*****
Register Status	Offline

Unable to send picture to ISUP platform at the first access. Please restart the system and try again.

Save

Figure 8-6 Connect to ISUP Platform

2. Check **Enable ISUP**.
3. Select **Protocol Version**.
4. Select **Address Type**.
5. Enter **Sever IP Address**, **Server Port**, **Device ID**, and **Key**.
6. Click **Save**.

What to do next

When the registration status is online, you can manage the device via the platform or server.

8.8.2 Connect to Hik-Connect

The device can be remotely accessed via Hik-Connect.

Before You Start

- Connect the device to the Internet.
- Set the IP address, subnet mask, gateway, and DNS server of the LAN.

Steps

1. Go to **Configuration → Network → Data Connection → Hik-Connect Platform**.
2. Check **Enable Hik-Connect Platform**.

Enable Hik-Connect Platform ☒

Platform Access Mode: Hik-Connect

Server Domain Name:

Register Status: Offline

Offline Reason: Network exception.

Offline Code:

Verification Code: ① 8-16 letters or numbers, case sensitive. You are recommended to use a combination of letters or numbers.

① You need to set the network parameters including device IP address, gateway, DNS, etc. to get access to the network.

Save

Figure 8-7 Connect to Hik-Connect

3. Enter a custom **Verification Code** used to add the device via the platform.



Caution

The verification code should be 6 letters or numbers, case sensitive. You are recommended to use a combination of letters or numbers.

4. Click **Save**.
5. Add the device to Hik-Connect.
 - 1) Get and install Hik-Connect application by the following ways.
 - Visit <https://appstore.hikvision.com> to download the application according to your mobile phone system.
 - Visit the official site of our company. Then go to **Support → Tools → Hikvision App Store**.
 - Scan the QR code below to download the application.



Figure 8-8 Hik-Connect



Note

If errors like "Unknown app" occur during the installation, solve the problem in two ways.

- Visit <https://appstore.hikvision.com/static/help/index.html> to refer to the troubleshooting.
- Visit <https://appstore.hikvision.com/> , and click **Installation Help** at the upper right corner of the interface to refer to the troubleshooting.

2) Start the application and register a user account to log in.

3) Add device by the serial No. on the device body and the verification code.



Note

Refer to the user manual of Hik-Connect application for details.

Chapter 9 Safety Management

9.1 Manage User

The administrator can add, modify, or delete other accounts, and grant different permissions to different user levels.

Steps

1. Go to **Configuration → System → User Management → User List**.
2. Select **Password Level**.

The password level of the added user should conform to the selected level.

3. Add a user.
 - 1) Click **Add**.
 - 2) Enter **User Name** and select **Type**.
 - 3) Enter **Admin Password**, **New Password**, and confirm the password.



Caution

To increase security of using the device on the network, please change the password of your account regularly. Changing the password every 3 months is recommended. If the device is used in high-risk environment, it is recommended that the password should be changed every month or week.

-
- 4) Assign remote permissions to users based on needs.

User

Users can be assigned permissions of live view, playback, log search, checking working status, and changing their own passwords, but no permission for other operations.

Operator

Operators can be assigned all the permissions same as the administrator.

- 5) Click **OK**.

4. **Optional:** You can do the following operations.

Change the password and permissions Click  to change the password and permissions.

Delete the user Click  to delete the user.

9.2 Enable User Lock

To raise the data security, you are recommended to lock the current IP address.

Steps

1. Go to **Configuration → System → Security → Security Service → Software**.
2. Enable user lock function.

3. Click **Save**.

Result

When the times you entered incorrect passwords have reached the limit, the current IP address will be locked automatically.

9.3 Set SSH

To raise network security, you are recommended to disable SSH service. The configuration is only used to debug the device for the professionals.

Steps

1. Go to **Configuration → System → Security → Security Service → Software**.
2. Enable or disable **SSH Service**, and set **SSH Port** if you enable the function.
3. Click **Save**.

9.4 Set Timeout Logout

You can improve network access security by setting timeout logout.

Steps

1. Go to **Configuration → System → Security → Security Service → Timeout Logout**.
2. Enable timeout logout for static page.
3. Set **Max. Timeout**.
4. Click **Save**.

Result

When the page static time exceeds the set time, the device will automatically log out.

Chapter 10 Maintenance

10.1 View Device Information

Basic Information and Algorithms Library Version

Go to **Configuration → System → System Settings → Basic Information** to view the basic information and algorithms library version of the device.

You can edit **Device Name** and **User ID**.

Device Status

Go to **Configuration → System → System Settings → Device Status** to view the device status, Wi-Fi status, Wi-Fi hotspot status, etc.

10.2 Synchronize Time

Synchronize the device time when it is inconsistent with the actual time.

Steps

1. Go to **Configuration → System → System Settings → Time Settings**.
2. Select **Time Zone**.
3. Select **Sync Mode**.

NTP Synchronization

Select it to synchronize the device time with that of the NTP server. Set **Server IP**, **NTP Port**, and **Interval**. Click **NTP Test** to test if the connection between the device and the server is normal.

Manual Synchronization

Select it to synchronize the device time manually. Set time manually, or check **Sync. with computer time**.

4. Click **Save**.

10.3 Set DST

If the region where the device is located adopts Daylight Saving Time (DST), you can set this function.

Steps

1. Go to **Configuration → System → System Settings → DST**.
2. Check **Enable DST**.
3. Set **Start Time**, **End Time**, and **DST Bias**.

4. Click **Save**.

10.4 Manage Power

Set the device charging mode and sleep mode.

Steps

1. Go to **Configuration → System → System Settings → Power Management**.
2. Set the parameters.

Charging Mode

In **Fast Charging** mode, the device will disconnect the network and stop recording automatically while the device is being charged to shorten the fully-charged duration.

Enable Sleep Mode

Enable sleep mode, and the device will enter sleep mode automatically if PIR does not detect humans in 3 minutes. If PIR has detected humans after the device enters sleep mode, the device will be woken up automatically.



Note

PIR is only available for the device supporting the function.

3. Click **Save**.

10.5 Reboot

When the device needs to be rebooted, reboot it via the software instead of cutting off the power directly.

Steps

1. Go to **Configuration → System → Maintenance → Upgrade & Maintenance → Device Maintenance**.
2. Click **Reboot**.
3. Click **OK** to reboot the device.



Note

You can also click **Reboot** on the upper right corner of the page to reboot the device.

10.6 Restore Parameters

When the device is abnormal caused by the incorrect set parameters, you can restore the parameters.

Steps

1. Go to **Configuration → System → Maintenance → Upgrade & Maintenance → Device Maintenance** .
2. Select the restoration mode.
 - Click **Restore**, and select the parameters to be saved instead of being restored. Click **OK**. Then the parameters except the IP parameters, user parameters, and the saved parameters will be restored to the default settings.
 - Click **Restore Factory Settings** and click **OK** to restore all the parameters to the factory settings.
3. Click **OK**.

10.7 Enable Debug Mode



Note

The function is only used for the device debug by the professionals.

Go to **Configuration → System → Maintenance → Upgrade & Maintenance → Data Export** . Check **Debug Mode** to enable the function. Reboot the device to take the settings into effect. Then click **Export** after **Log** and enter the admin password to export the debug log.

10.8 Export Log

Export log to search the device operation records and troubleshoot the exceptions.

Steps

1. Go to **Configuration → System → Maintenance → Upgrade & Maintenance → Data Export** .
2. Click **Export** after **Log**.
3. Enter the admin password in the popup window and click **OK**.
4. Select the saving path, and enter the file name.
5. Click **Save**.

10.9 Export Parameters

You can export the parameters of one device, and import them to another device to set the two devices with the same parameters.

Steps

1. Go to **Configuration → System → Maintenance → Upgrade & Maintenance → Data Export** .
2. Click **Export** after **Configuring Parameters**.
3. Enter the admin password, and click **OK**.
4. Select the saving path, and enter the file name.

5. Click **Save**.

10.10 Upgrade

Upgrade the system when you need to update the device version.

Before You Start

Prepare the upgrade file. If the upgrade file is a compressed package, it needs to be decompressed into the .dav format.

Steps

1. Go to **Configuration → System → Maintenance → Upgrade & Maintenance → Upgrade**.
2. Click **Browse** to select the upgrade file.
3. Click **Upgrade**.
4. Click **OK** in the popup window.



Note

The upgrade process will take 1 to 10 minutes. Do not cut off the power supply.

Result

The device will reboot automatically after upgrade.

10.11 Import Configuration File

Import the configuration file of another device to the current device to set the same parameters.

Before You Start

Save the configuration file to the computer.

Steps



Caution

Importing configuration file is only available to the devices of the same model and same version.

1. Go to **Configuration → System → Maintenance → Upgrade & Maintenance → Advanced Settings → Data Import**.
2. Select **Importing Method**.
3. Click **Browse** to select the configuration file.
4. Click **Import**.
5. Enter the admin password, and click **OK**.
6. Click **OK** on the popup window.

Result

The parameters will be imported, and the device will reboot.

Appendix A. Configuration via Mini AI Assistant

After you enable the device Wi-Fi hotspot function, you can connect the device to a mobile phone via the Wi-Fi hotspot, and configure the device via Mini AI Assistant application. Scan the QR code below to get the user manual of Mini AI Assistant for detailed configuration.



Figure A-1 Mini AI Assistant Application User Manual QR Code



See Far, Go Further