DSS Agile 8 App

User's Manual

Foreword

General

This manual introduces the functions and operations of DSS Agile 8 App (hereinafter referred to as "the App").

Software Version

V6.6.0.

Safety Instructions

The following categorized signal words with defined meaning might appear in the manual.

Signal Words	Meaning
⚠ **DANGER**	Indicates a high potential hazard which, if not avoided, will result in death or serious injury.
⚠ **WARNING**	Indicates a medium or low potential hazard which, if not avoided, could result in slight or moderate injury.
⚠ **CAUTION**	Indicates a potential risk which, if not avoided, could result in property damage, data loss, lower performance, or unpredictable result.
☍ **TIPS**	Provides methods to help you solve a problem or save you time.
📖 **NOTE**	Provides additional information as the emphasis and supplement to the text.

Revision History

Version	Revision Content	Release Time
V2.9.0	● Updated name to DSS Agile 8 App. ● Updated "4.5 Face Detection", "4.6 Human Detection", "4.8 Visitor Manager", "4.10 Alarm Messages", and "5 System Configuration and Account Management". ● Added "4.7 Vehicle Detection". ● Deleted "4.7 Passenger Flow", "4.4.2 Snapshot Database Search", "4.4.3 Face Database Search", "4.4.4 Face Statistics", "4.9 Alarm Controller". ● Added "4.10.4 Event Center", and "4.12 Maintenance Center".	April 2021
V2.8.0	● Updated " 1 Introduction", "3 Home", "4.2 Playback", "4.4 Access", "4.11 Map". ● Added "5 System Configuration and Account Management".	Janaury 2021
V2.7.0	● Updated "1.1 Overview", "1.2 Features", "2.2 Live View", "2.5	November 2020

Version	Revision Content	Release Time
	Person", "2.6 Face Recognition", "2.9 Passenger Flow". ● Added "2.64 Face Statistics". ● Replace some figures.	
V2.6.0	● Added "2.11 Alarm Controller". ● Deleted "4 System Settings" and "2 Installation". ● Replaced some figures.	September 2020
V2.5.0	● Updated "3.1 Login", "3.2 Live View", "3.3 Playback", "4 System Settings". ● Replaced some figures.	July 2020
V2.4.0	● Added "3.10 Visitor Management". ● Updated "3.2 Live View", "3.11 More", "3.13 Alarm Messages", and "4.15 Account". ● Replaced some figures.	June 2020
V2.3.0	● Updated UI. ● Modified descriptions of updated Home, Mine, Live, Playback, and Message modules. ● Adjusted structures.	March 2020
V2.2.0	● Added "3.10 People Counting". Add quick position in "3.2.2 Icon Descriptions". ● Updated "3.1 Login" and "4 System Settings". ● Replace some figures. ● Optimized other function descriptions.	December 2019
V2.1.0	● Added "3.9 Video Intercom". Add channel talk in "3.2 Live View". ● Updated "3.6 Access", "3.10 Map", and "3.12 Alarm Message". ● Optimized other function descriptions and figures.	September 2019
V2.0.0	● Added "3.7 Face Recognition" and "3.8 Object Detection". ● Updated "3.1 Login", "3.2 Live View" and "3.3 Playback".	May 2019
V1.1.1	● Added "3.6 Access". ● Added raster map in "Map". ● Updated "3.10 Message" Add "3.10.2 Viewing the Latest Alarm Message" and delete "Viewing Message Details". ● Added App mark function in "System Settings".	April 2019
V1.1.0	● Added switch account function and maximum number of channels function in "System Setting". ● Optimized the function of map, multiple devices/channel preview, version record, displaying the user's manual on App, resetting the input information for searching the history messages, task claim and task forward in "Basic Operation".	January 2019
V1.0.0	First release.	October 2018

Privacy Protection Notice

As the device user or data controller, you might collect personal data of others such as face, fingerprints, car plate number, email address, phone number, GPS and so on. You need to be in

compliance with the local privacy protection laws and regulations to protect the legitimate rights and interests of other people by implementing measures include but not limited to: providing clear and visible identification to inform data subject the existence of surveillance area and providing related contact.

About the Manual

- The manual is for reference only. If there is inconsistency between the manual and the actual product, the actual product shall prevail.
- We are not liable for any loss caused by the operations that do not comply with the manual.
- The manual would be updated according to the latest laws and regulations of related jurisdictions. For detailed information, refer to the paper manual, CD-ROM, QR code or our official website. If there is inconsistency between paper manual and the electronic version, the electronic version shall prevail.
- All the designs and software are subject to change without prior written notice. The product updates might cause some differences between the actual product and the manual. Please contact the customer service for the latest program and supplementary documentation.
- There still might be deviation in technical data, functions and operations description, or errors in print. If there is any doubt or dispute, we reserve the right of final explanation.
- Upgrade the reader software or try other mainstream reader software if the manual (in PDF format) cannot be opened.
- All trademarks, registered trademarks and the company names in the manual are the properties of their respective owners.
- Please visit our website, contact the supplier or customer service if there is any problem occurring when using the device.
- If there is any uncertainty or controversy, we reserve the right of final explanation.

Table of Contents

1 Introduction

1.1 Overview

DSS Agile App is a mobile monitoring software for professional security surveillance. It has functions such as live view, video playback, video intercom, face detection, human detection and vehicle detection. Devices such as cameras, video recorders, access controllers, and video intercoms are supported.

1.2 Applicable Mobile Phones

Android:
- Hardware: RAM 1 GB or larger; free storage space 1 GB or larger.
- System: Android 5.0 or later.
- Resolution: 1280 × 720 or higher.

iOS:
- iPhone model: 5S or later.
- System: iOS 10 or later.

2 Login

📖

Make sure that the App and the DSS platform are in the same LAN. Otherwise, login might fail.

Step 1   On your mobile phone, tap ![icon].
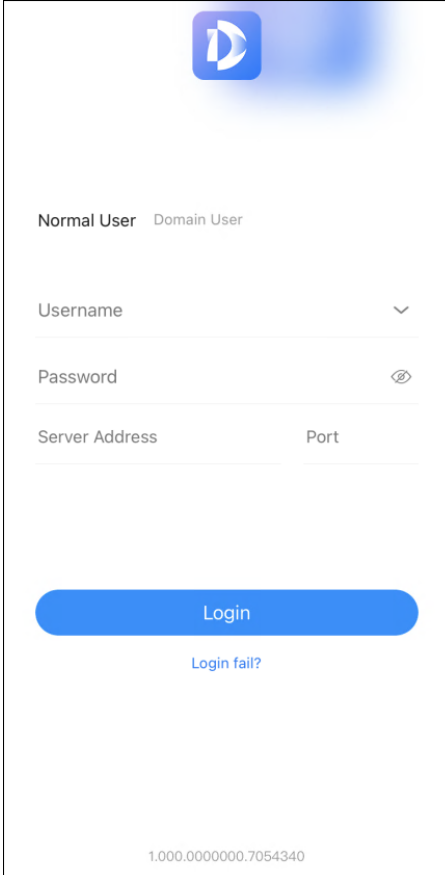
Step 2   Log in as a normal user or a domain user.

- Normal user: Platform users created normally.
1) On the **Login** interface, tap **Normal User**.
2) Enter username and password of the normal user, IP address, and port number, and then tap **Login**.
- Domain user: Platform users imported from the same domain of their organization such as a company.
1) On the **Login** interface, tap **Domain User**.
2) Enter username and password of the domain user, IP address, and port number, and then tap **Login**.

📖

- The username, password, IP address, and port number must be the same as those set on the DSS platform.
- To change the IP address and port number, tap **Edit** on the **Login** interface (unavailable for the first-time login).

Figure 2-1 Log in

Step 4   (Optional) Draw an unlock pattern.

🔑

Tap **Login fail?** if you failed to log in to the account.

3 Home

Figure 3-1 Home

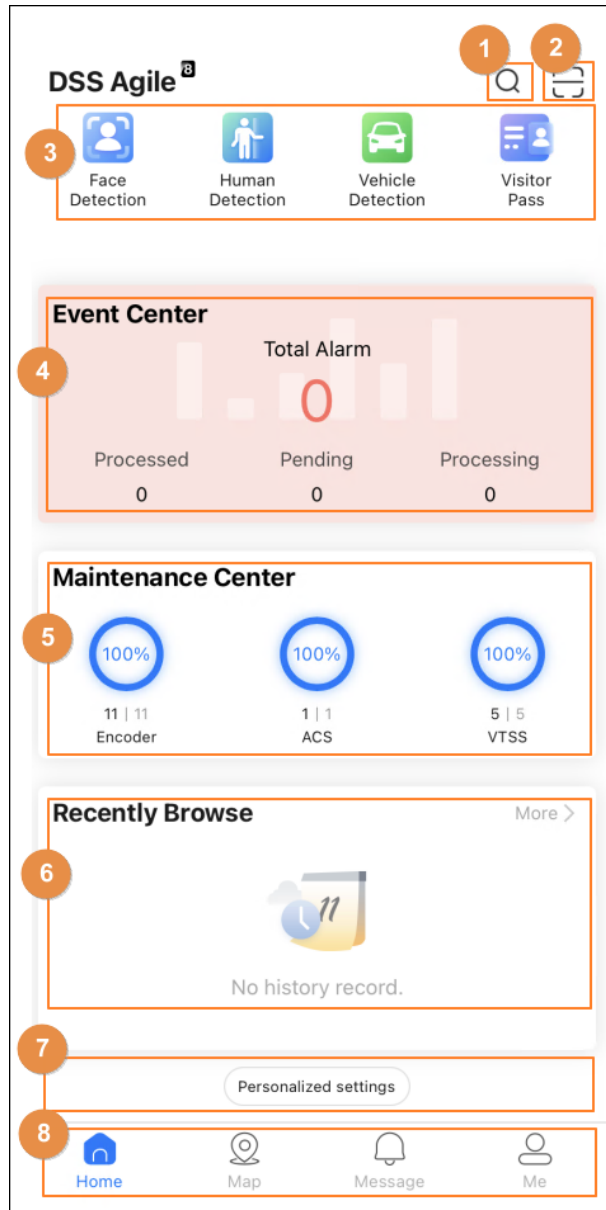Table 3-1 Home

No.	Name	Description
1	Integrated search	Tap $\mathcal{Q}$ to search by organization, device and channel.
2	Scan	Tap ⬚, and then you can scan the QR code.
3	Function modules	Displays function modules.
4	Event center	Displays the alarm message statistics. For details, see "4.10.4 Event Center".
5	Maintenance center	Displays the running status of the device, channel and server. Tap it to view details. For details, see "4.12 Maintenance Center".

No.	Name	Description
6	Recently browse	Displays the recently viewed channels. Tap the channel to view its live video. ⊙— Tap 🗑 if you want to clear all browsing records.
7	Personalized settings	Tap **Personalized Settings** to delete, add and layout modules.
8	Navigation bar	Four tabs: **Home**, **Map**, **Message**, and **Me**.

4 Basic Operations

After logging in to the DSS Agile 8 App, you can configure functions such as live view, video playback, face detection, human detection, vehicle detection, and more.

Prerequisite

Before operating on DSS Agile 8 App, you need to make configurations on DSS platform, such as adding organizations, users, and devices, configuring map, videos, storage, and more.

📖

This manual is for reference only, and the interfaces and functions might vary with different added devices. This manual takes iOS as an example.

4.1 Live View

You can view the monitoring channels, take snapshots, record videos, add channels to favorites, and more.

Step 1 On the **Home** interface, tap 📹.

Figure 4-1 Live interface
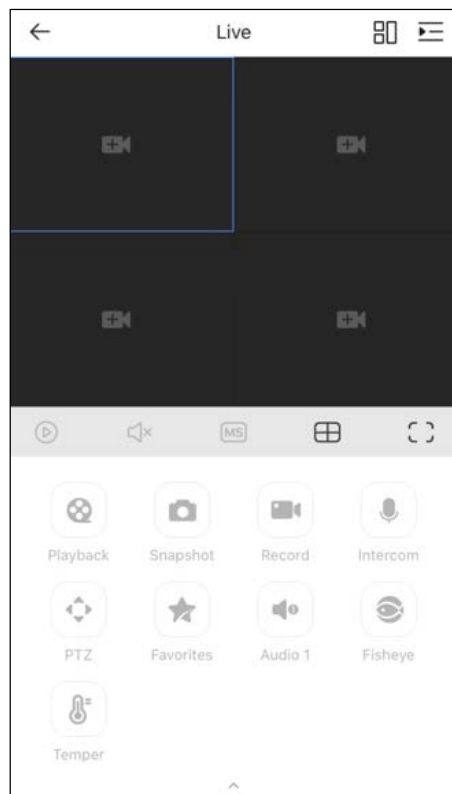
Step 2 Play a channel or multiple channels.
- Play a channel: Tap 📹 in the window, and then select a channel in the device list to be played.
- Play multiple channels: Tap ⊨, and then select channels in the device list as needed.
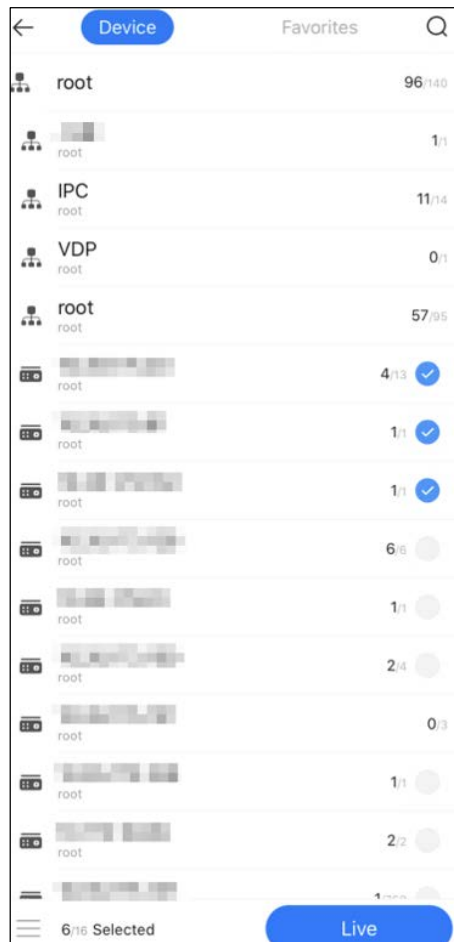
● Play multiple channels that has been added in the DSS Pro: Tap ⊞, and then select channel groups in the device list as needed.

Figure 4-2 Device list

◎⚷

● The number X/Y at the right of the row: X means the number of online devices or channels and Y means the number of total devices or channels.
● Tap **Favorites** to select and view channels saved in the favorites.
● Tap 🔍 to search for organizations, devices, or channels with keywords.
● Tap ☰ to view or cancel selection.
● The maximum number of channels to be selected at a time can be set in **Me > Setting > Maximum Number of Channels**.
● The layout mode of the device list can be set in **Me > Setting > Organization Tree**.

Step 3 Operate on live videos.

Figure 4-3 Live view

∘⟋
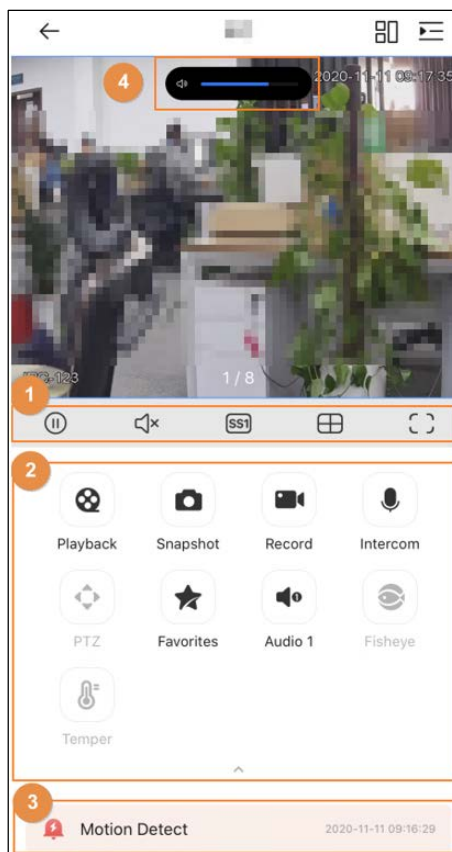
- Double-tap the video to zoom in or out.
- When played channels exceed the number of split views, swipe to the left or right to view other videos.
- To change the video place, tap and hold a video, and then move it to the target window.
- To delete a video, tap and hold the video till the trash bin appears at the top of the interface, drag the video to the trash bin, and then release.

Table 4-1 Live view function icons

No.	Function	Description
1	⫾/▷	Play/Pause.
	⊲×/⊲⟩	Mute/Unmute.
	MS/SS1/SS2	- **Main Stream**, **Sub Stream 1** and **Sub Stream 2**. - Video definition: Main Stream > Sub Stream 1 >Sub Stream 2.
	⊞	Split view. You can display in 1, 4, 9, or 16 views. 📖 Set the maximum number of live channels in **Me > Setting**. Enabling too many channels at the same time might limit App performance.
	⸢ ⸥	Full screen.
2	⊗	Video playback. For details, see "4.2 Playback".
	◘	Take a snapshot.

No.	Function	Description
		$\square$ Snapshots are saved in **Me > Files**. You can also tap the captured image at the lower-left corner of the window to see details.
	▪◼	Video recording. $\square$ Recorded videos are saved in **Me > Files**. You can also tap the video at the lower-left corner of the window to see details.
	🎤	Two-way audio. ● Channel talk: Talk to the played channel. ● Device talk: Talking to the device. $\square$ ● Two-way audio is available on select models. ● If device talk is available, the system will prompt you to select between device talk and channel talk. Otherwise, only channel talk is enabled.
	✛	PTZ control, see Figure 4-4. ● Zoom: Tap ⊕ to zoom in or zoom out the image. ● Focus: Tap (+) to adjust focal length. ● Iris: Tap ◎ to adjust the brightness of the video. ● Preset: Add presets on the DSS platform. On the App, tap ♀ and then select a preset. By calling the preset, the camera can quickly turn to the monitoring target. ● Quick position: Tap ⓠ to draw a box on live video, and then the PTZ camera will rotate, focus and quickly locate that area. ● Gesture control ◇ Swipe on the screen to control PTZ directions including left, right, up, down, upper-left, upper-right, lower-left, and lower-right. ◇ Pinch or stretch out with fingers on the screen to zoom out or zoom in. ● Snapshot: Tap 📷 to take a snapshot. For details, see snapshot item. ● Video recording: Tap ▪◼ to record videos. For details, see video recording item. ● Audio: Tap ◀×/◀》 to mute/unmute the video. $\square$ ● Only one window is displayed during PTZ control. ● PTZ function is available on select models. ● In **Me > Setting**, select **PTZ Step** from 1 to 8. The higher the value is, the faster the PTZ moves.
	★	Favorites.
	◀o	Audio channel . Switch between audio 1 and audio 2 if the device has

| No.	Function	Description
		two audio outputs. 📖 Audio 1 is enabled by default. When the device has only one audio output, you can still switch to audio 2, and the device will be mute.
	◉	Fisheye. ● Select a video, and then tap ◉ to enable fisheye. Swipe on the screen to dewarp the display effect of video image. See Figure 4-5. ● For snapshot, video recording, and audio, refer to previous items. 📖 The function is available on select models.
	🌡	Temp. ● Select a video, and then tap 🌡 to monitor temperature. ● Tap anywhere on the screen, and the temperature at that location will be displayed. 📖 The function is only available on thermal cameras.
3	Alarm message	Displays the latest alarm message of the selected channel. Tap to enter its alalrm message list, which can display up to 50 recent alarm messages. For details, see "4.12 Alarm Messages".
4	🔆/🔊	● Brightness/Volume adjustment ● On the right side of the live interface, swipe up and down to adjust brightness and volume. 📖 The function is available when: ● The video window is not in the multi-view mode. ● Fisheye and PTZ functions are disabled.

Figure 4-4 PTZ control
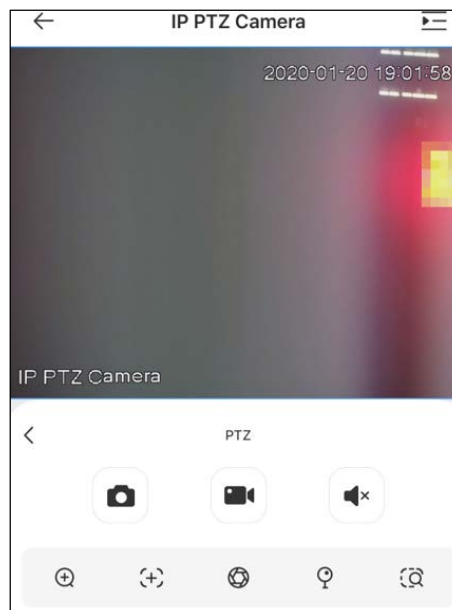
Figure 4-5 Fisheye
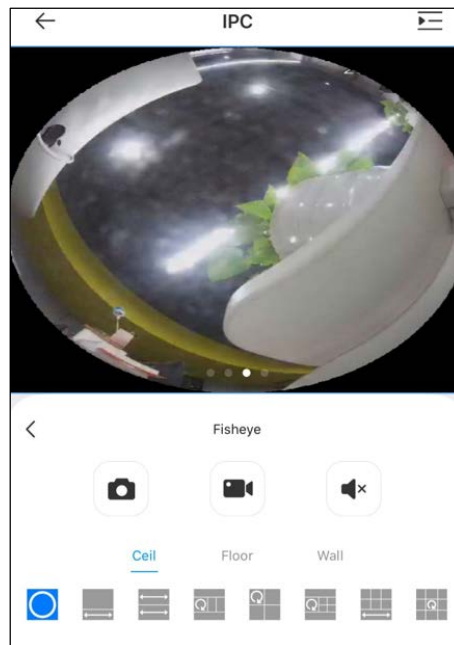
4.2 Playback

You can search and play back recorded videos that are saved on the device or platform.

Prerequisite

Before playing back videos on the App, you need to add a record plan, set record storage position, and enable the plan on the DSS platform. For details, see *DSS Pro User's Manual*.

Step 1   On the **Home** interface, tap .

Figure 4-6 Playback
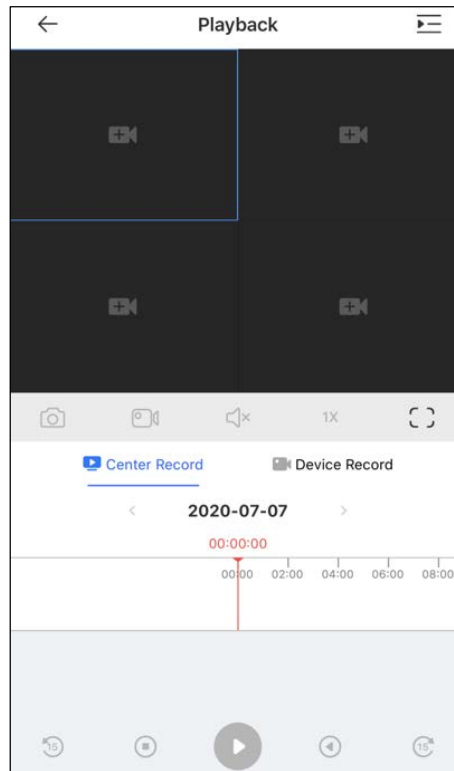
Step 2 Play back a channel or multiple channels.
- Play back a channel: Tap [icon] in the window and then select a channel in the device list.
- Play multiple channels: Tap [icon], and then select up to four channels in the device list as needed.

Step 3 Select between **Center Record** and **Device Record**. The date with a blue dot means it has videos. **Center Record** is set by default. It can be modified in **Me > Setting > Query Record Type**.
- **Center Record**: Videos stored on the server. Make sure that the storage disks are installed.
- **Device Record**: Videos stored on the device. Make sure that the storage devices are installed.

Figure 4-7 Search recorded videos
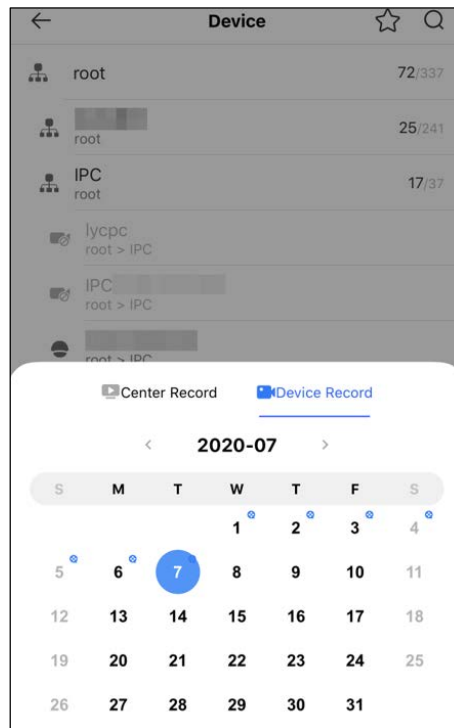
Step 4   Tap the date with a blue dot, and then the video is played automatically.

- Double-tap the video to zoom in or out.
- When multiple channels are being played back in the single view mode, swipe the window to the left or right to view other videos.
- To change the video place, tap and hold a video, and then move it to the target window.
- To delete a video, tap and hold the video till the trash bin appears at the top of the interface, drag the video to the trash bin, and then release.

Figure 4-8 Video playback
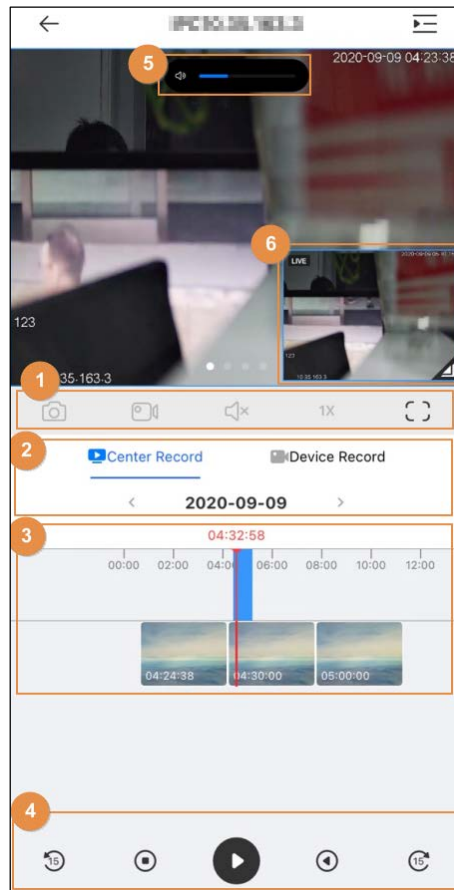
Table 4-2 Video playback function icons

No.	Function	Description
1	Snapshot	See "Table 4-1 Live view function icons".
	Video recording	
	Mute/Unmute	
	Playing speed	Tap $1X$ to change the playing speed from 1X, 2X, 4X, 8X, 1/2X, 1/4X, and 1/8X. 📖 The function is available only when the window is in the single view mode.
	Full screen	See "Table 4-1 Live view function icons".
2	Change videos	● Tap **Center Record** and **Device Record** to switch the video, and the video will be automatically played back if it can be searched. ● In multi-view mode, center record and device record can be played back independently for each channel. ● Tap the date to select again.

No.	Function	Description
3	Timeline	- The blue block indicates recorded videos and the red line indicates the current time point. Drag the timeline to view the video of any time frame. - Pinch or stretch out to zoom the timeline to adjust time accuracy, which can be accurate to 1 minute. - Tap video clips under the timeline to view videos within a specific period.
4	⟲15/15⟳	Fast-forward/Rewind.
	⏹	Stop.
	⏸/▶	Pause/Play
	◀	Reverse play. 📖 The function is valid only for center record and the window is in the single view mode.
5	Brightness/Volume adjustment	See "Table 4-1 Live view function icons". 📖 The function is available when the video window is not in the multi-view mode.
6	Picture-in-picture mode	- When playing back the video, you can watch live video of the selected channel in the small floating window, which can be dragged anywhere. - Tap ◢ to fold the live video. 📖 - The function is available only when the window is in the single view mode. - The function is enabled by default. To disable it, tap **Me > Setting > Picture in Picture**.

4.3 Access

You can open or close the door on the App, play live videos of access control devices or video intercoms, make the door normally open or normally closed, and more.

Prerequisite

Before using this function, you need to bind video channels for the access control devices or video intercom devices on DSS platform. For details, see *DSS Pro User's Manual*.

Single Access Control Device Management

Step 1 On the **Home** interface, tap 🔶.

Step 2 Tap **List**, and then operate on **List** interface.

● Tap a channel in the device list, and then you can open door, close door, and play live video.

Figure 4-9 Operations

● Tap [icon], select one or multiple online channels, and then you can open doors or close doors simultaneously.

Figure 4-10 Simultaneous operations

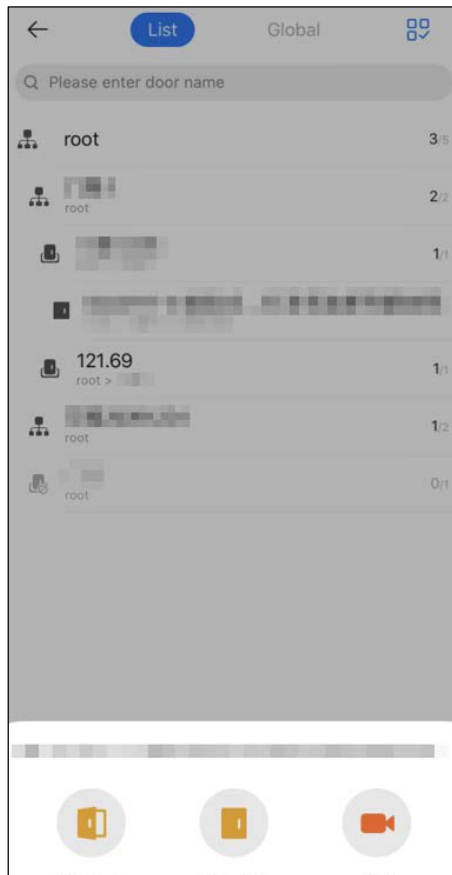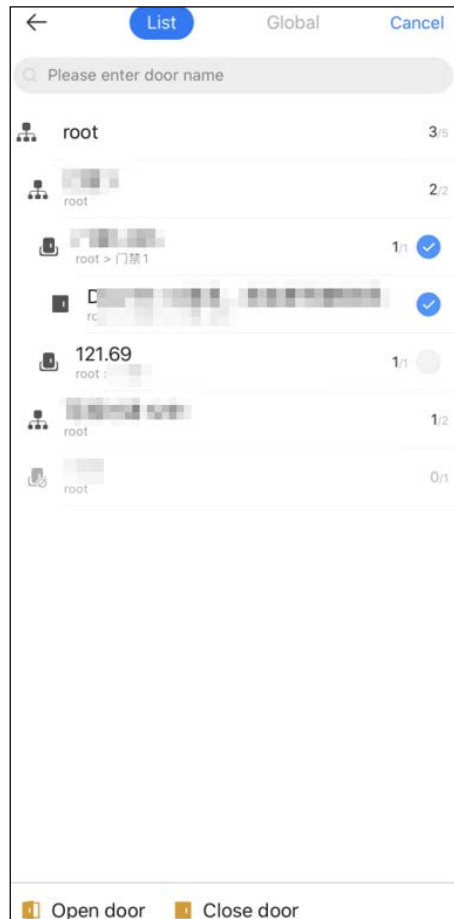## Multiple Access Control Devices Management

Step 1   On the **Home** interface, tap ▯.

Step 2   Tap **Global**, and operate on **Global** interface.

Step 3   Select one or multiple online channels of access control devices.

Step 4   Select from Always open and Always close.

Step 5   Enter user password, and then tap to complete settings.

Figure 4-11 Global
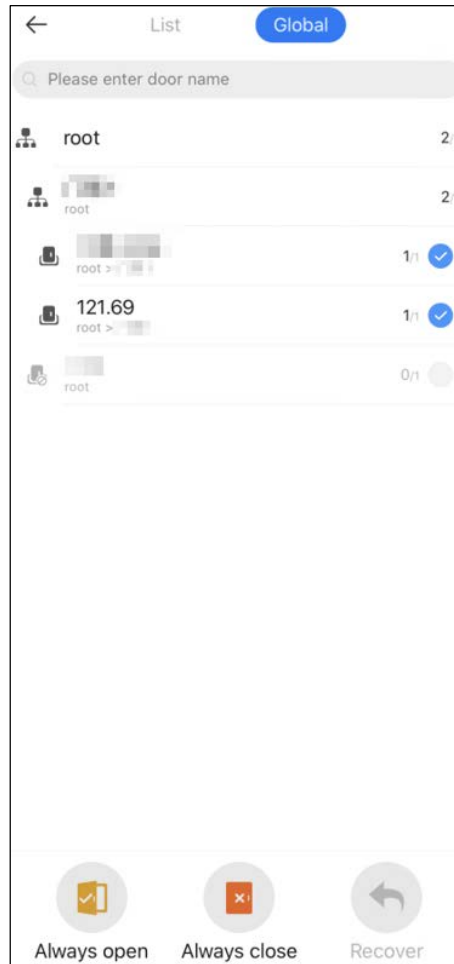
📖
Once **Always open** or **Always close** is set, you need to tap **Recover** to restore to normal control mode, and then you can manually open or close the door.

4.4 Video Intercom

You can realize functions such as mutual call between video intercoms and the App, and search for call logs.

Prerequisite

Before managing alarm messages, you need to make configurations on DSS platform such as adding video intercom devices, enabling or disabling building/unit, and make configurations of management group and group relation. For details, see *DSS Pro User's Manual*.

4.4.1 Video Call

Step 1   On **Home** interface, tap 📷.

Figure 4-12 Video call
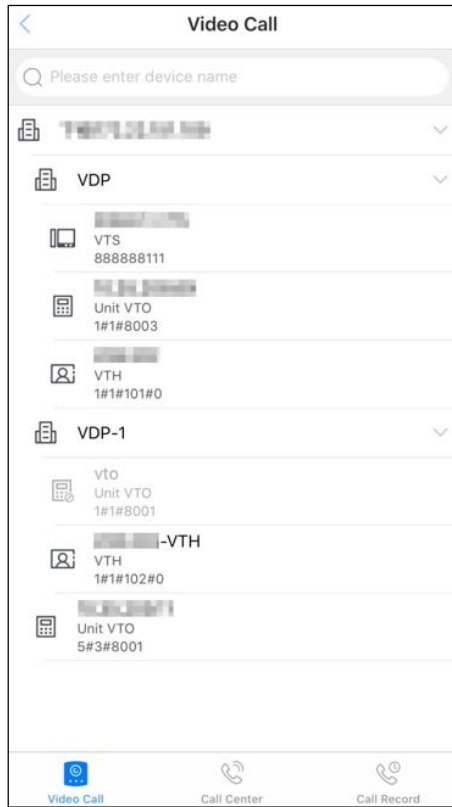
Step 2 Tap an intercom, and then tap for video call or tap for voice call.

Figure 4-13 Calling
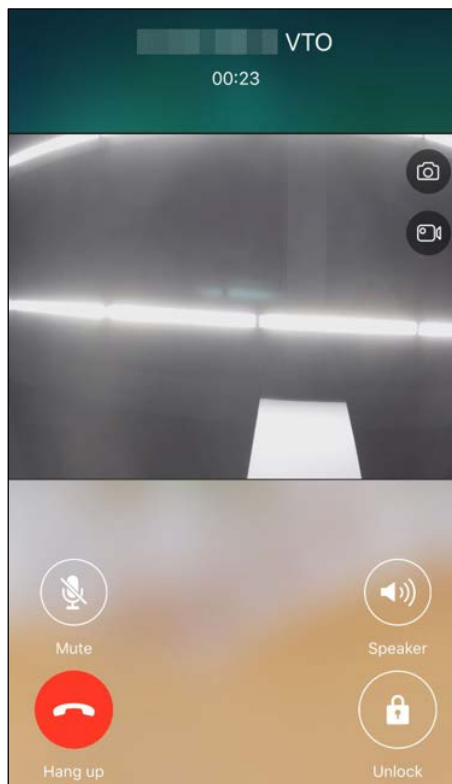
The App can call and receive calls from intercoms. For major function icons descriptions on calling, answering, and incoming calls interfaces, see the following table.

Table 4-3 Function icon descriptions

Function	Description
Snapshot	Tap [icon] to take a snapshot. For details, see "Table 5-1 Live view function icons".
Record	Tap [icon] to record videos. For details, see "Table 5-1 Live view function icons".
Answer/End the call	Tap [icon] to answer the call; tap [icon] to decline or hang up the call.
Unlock	Tap [icon] to unlock the connected door. After the door is successfully unlocked, it will remain open for 30 s.

4.4.2 Call Center

Enter calling number of the corresponding intercom such as 5#3#8001, and then tap **Call**.

Figure 4-14 Call center
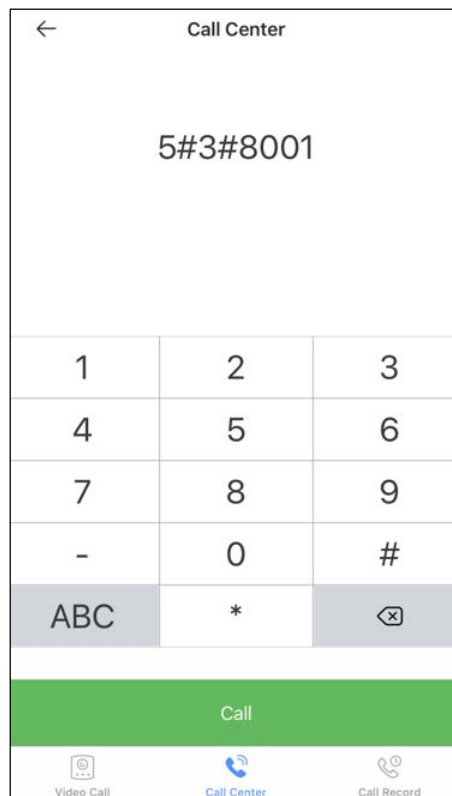
4.4.3 Call Record

All the call records are displayed on **Call Record** interface. Tap the number in the record list to call back the intercom.

Figure 4-15 Call record
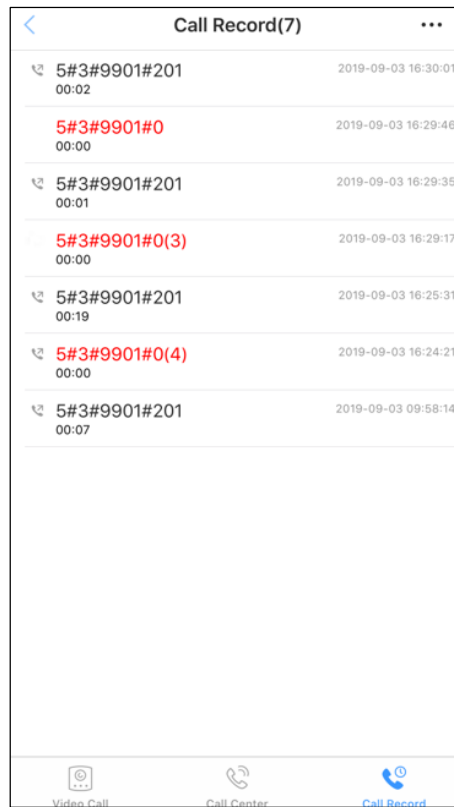
Deleting the Record

- Swipe the block to the left, and then tap **Delete**.

- Tap •••, tap **Batch operation**, and then tap 🗑 to delete selected records. Tap **All**, and then

  tap 🗑 to delete all records.

Figure 4-16 Batch deletion
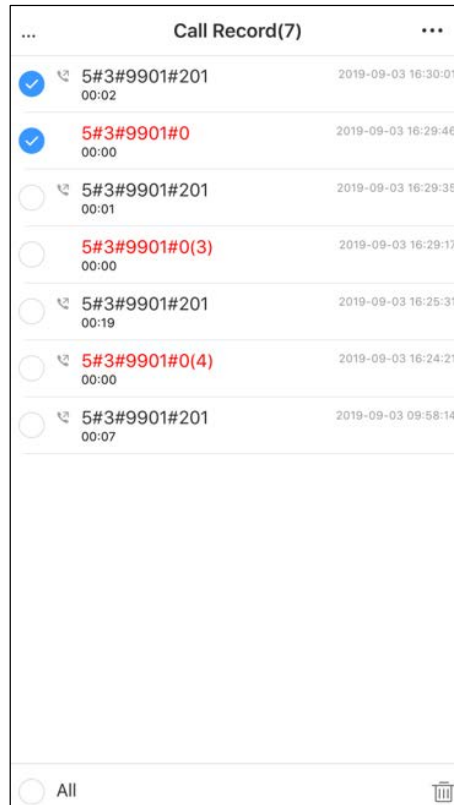
Searching for Call Logs

Step 1   On **Call Record** interface, tap ●●●, and then tap **Call Log**.

Figure 4-17 Call log
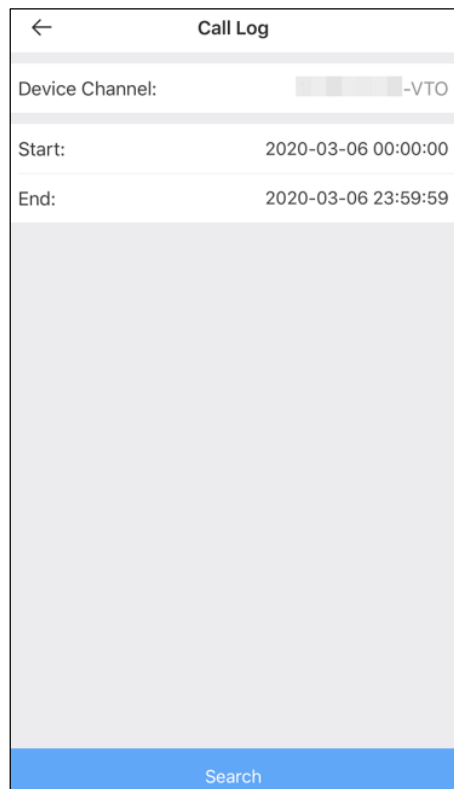
Step 2   Select a device channel, set start time and end time, and then tap **Search**.

4.5 Face Detection

On **Face Detection**, you can search for the matched personnel in the snapshot database of the selected channels by image or features such as age and gender.

Prerequisite

Before using this function, you need to configure the face detection function of the devices such as a camera, an intelligent video surveillance server, and an intelligent network video recorder. For details, see user's manual of corresponding device.

4.5.1 Search by Image

You can search for personnel in the snapshot database of the selected channels by image to view the similarity against the database.

The function is only supported by select devices such as an intelligent video surveillance server and an intelligent network video recorder.

Step 1　On the **Home** interface, tap .

Step 2　Tap **Capture** on the **Picture** interface to capture the human face.

Tap **Photos** to choose a picture from your album.

Step 3　Select one or multiple channels from the same device, set the begin time and end time, similarity, and then tap **Search**.

Figure 4-18 Search by image
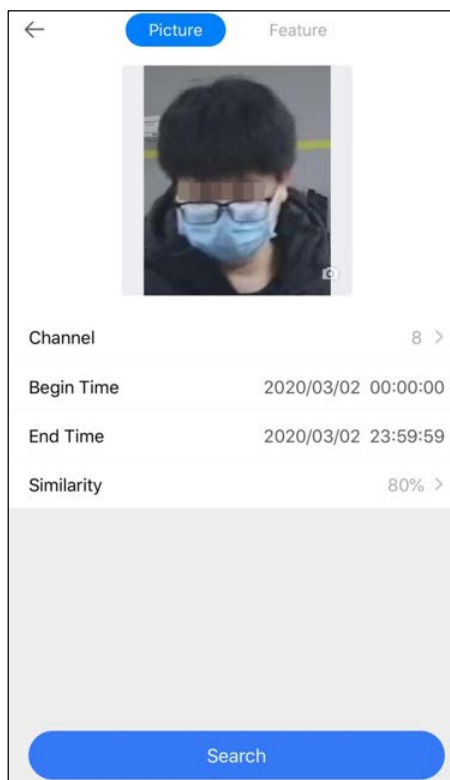
Step 4　Tap a search result (list by similarity) to view the comparison details.

Figure 4-19 Comparison result

📖
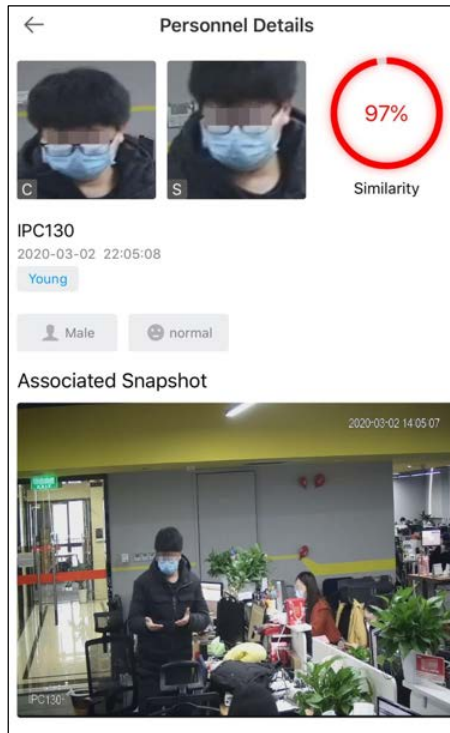
You can tap the image to enlarge and save it, and view the entire snapshot in the snapshot database from **Associated Snapshot**.

4.5.2 Search by Feature

You can search for matched personnel in the snapshot database of the selected channels by features such as age, and gender.

Step 1   On the **Home** interface, tap ![icon].

Step 2   On the **Feature** interface, select the channel, set the begin time and end time, age, gender, and then tap **Search**.

Figure 4-20 Search by feature (snapshot database)
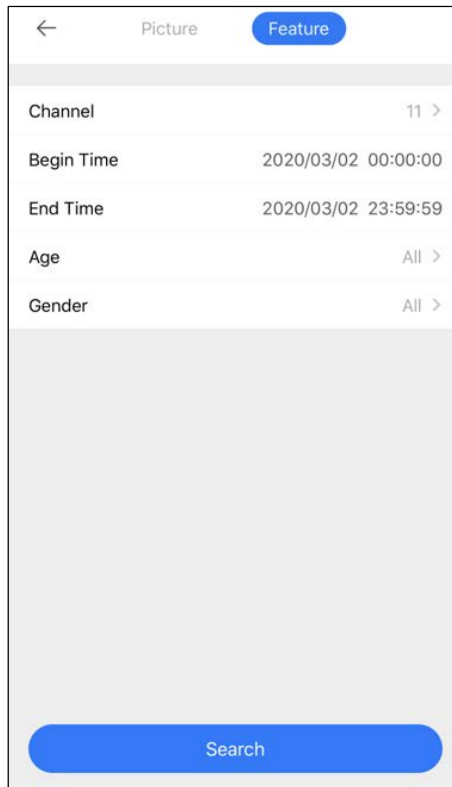
Step 3   Tap a result to view personnel details.

Figure 4-21 Feature search result

4.6 Human Detection

You can view the snapshot details of human from the camera with video metadata function.
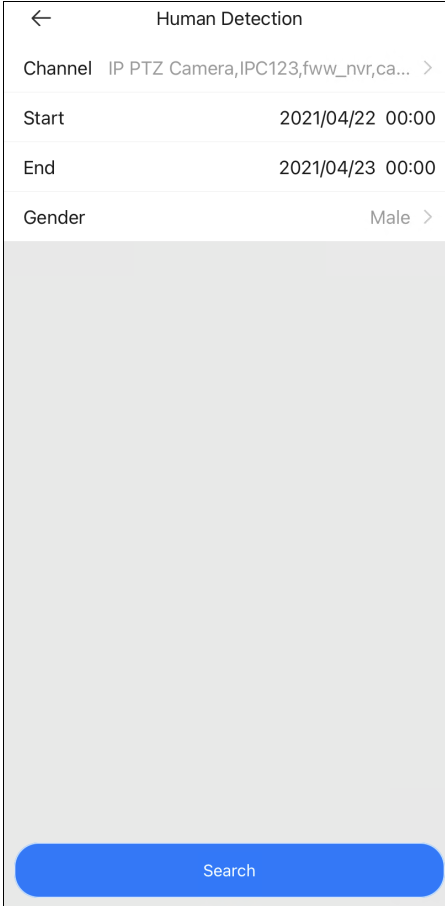
Prerequisite

Before using this function, you need to add cameras with video metadata function on the DSS platform and then enable **Human Detection**. For details, see *DSS Pro User's Manual*. Also, you need to configure the metadata parameters of the camera. For details, see user's manual of corresponding device.

Step 1   On the **Home** interface, tap .

Step 2   Select the channel, set the begin time and end time, gender, and then tap **Search**.

Figure 4-22 Human detection

Step 3   View the search result.

To filter the search range by gender, clothes type age, cap and bag, tap .

Figure 4-23 Detection result

Step 4   Tap a result to view details.

📖

To link and playback the recorded video, tap 📹.

Figure 4-24 Result details
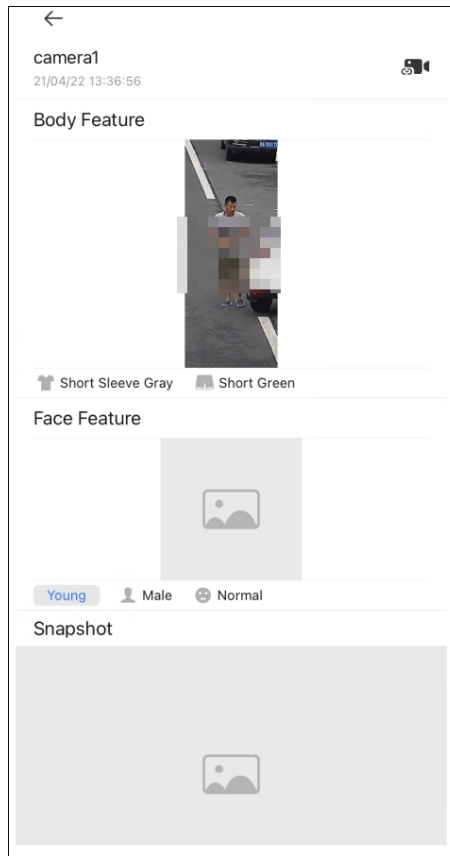
4.7 Vehicle Detection

You can view the snapshot details of vehicle from the camera with video metadata function. To enable this function, you need to:

Prerequisite

Before using this function, you need to add cameras with video metadata function on the DSS platform and then enable **Human Detection**. For details, see *DSS Pro User's Manual*. Also, you need to configure the metadata parameters of the camera. For details, see user's manual of corresponding device.

Step 1   On the **Home** interface, tap .

Step 2   Select the channel, set the begin time and end time, plate No., vehicle logo, vehicle color, and then tap **Search**.

Figure 4-25 Vehicle detection

Step 3　View the search result.

🔑

To filter the search range by vehicle color and logo, tap ⏏.

Figure 4-26 Detection result
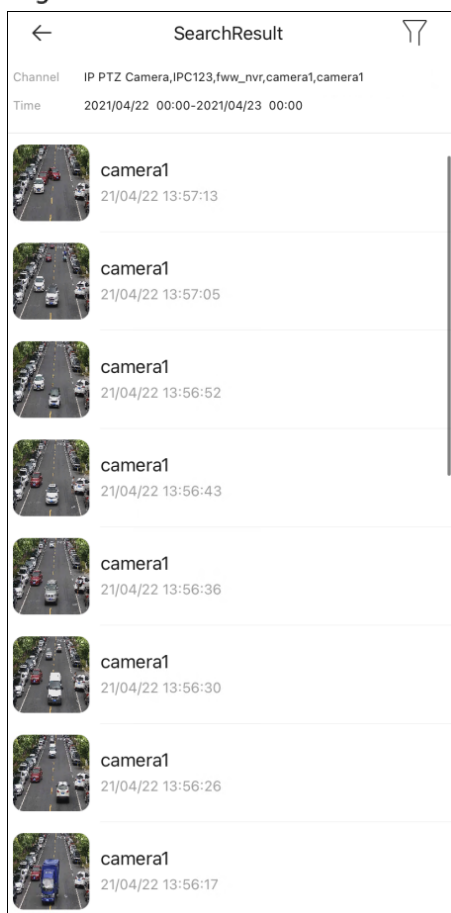
Step 4 Tap a result to view details.

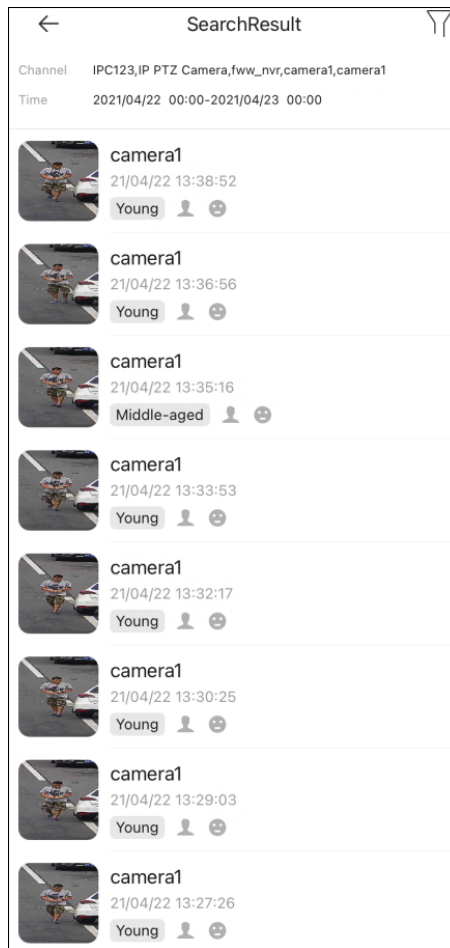To link and playback the recorded video, tap ![icon].

4.8 Visitor Manager

You can create a visitor pass, and then the visitor will have an access permission. You can also view visitor status such as on a visit or ending the visit, modify the pass, and configure automatic visit and automatic leave.

4.8.1 Visitor Pass

Create a pass for the visitor or manually invalidate the pass.

Step 1 On the **Home** interface, tap ![icon].

Step 2 On the **Visitor Pass** interface, fill in pass information.
- Information such as host name, host address, and visitor name are required; otherwise, the pass cannot be created.
- Authorize means the entrance and exit permissions on the device for the visitor, including **Access**, **Video Intercom**, and **Entrance**.
  ◇ **Access**: Access control devices.

◇ **Video Intercom**: Door stations. Select **Host Address** first; otherwise, you cannot authorize **Video Intercom**.

◇ **Entrance**: Automatic plate recognition cameras. Enter **Plate No.** first; otherwise, you cannot authorize **Entrance**.

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Authorize can be configured on the DSS platform.

Figure 4-27 Enter pass information

Step 3 Tap **Generate visitor pass** to create a pass QR code.

Figure 4-28 Visitor pass

⊙⌐

- To share the pass to others, tap **Send to visitor**.
- To cancel the appointment, tap **Cancel Appoint**, and then the QR code becomes invalid.
- To save the pass, tap **Save**.

4.8.2 Visitor Records

You can obtain the visitor status, view and modify the pass.

Step 1　On the Home interface, tap　.

Step 2　On the **Visitor Pass** interface, tap　to view visitor records.

Figure 4-29 Visitor records
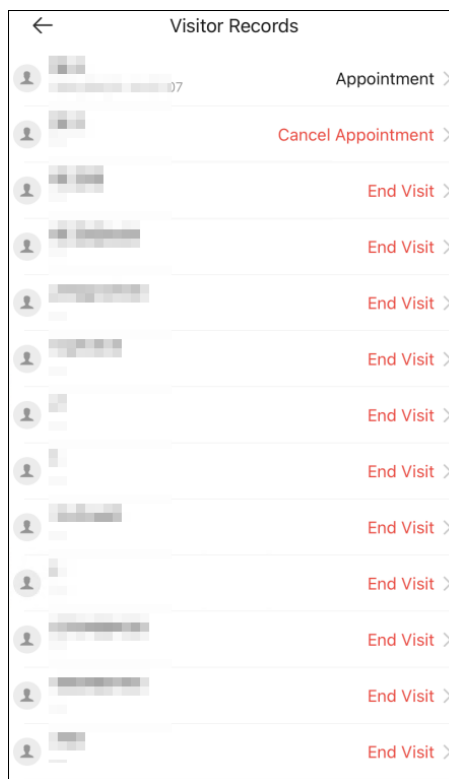
Step 3　Tap a result to view details and modify the pass.
- For the visitor whose appointment has been cancelled, to re-invite the visitor, tap **Re-invite** on the **Cancel Appointment.**
- For the visitor who is being invited, operate on the **Appointment**. For details, see "4.8.1 Visitor Pass".
- For the visitor who has finished appointment, view the details on **End Visit**, but no operation can be done.

4.9 Map

You can switch the maps between GIS map and raster map. With the map, you can play live and recorded videos, view details of the channel, and cameras and access control devices that are added to the map.

Prerequisite

Before using GIS map and raster map, you need to configure maps, add channels to the map, import a raster map, and more. For details, see *DSS Pro User's Manual*.

4.9.1 GIS Map

<u>Step 1</u> On the **Home** interface, tap .

Tap , select GIS map, and then you can switch between Baidu map and Google map.

Figure 4-30 GIS map
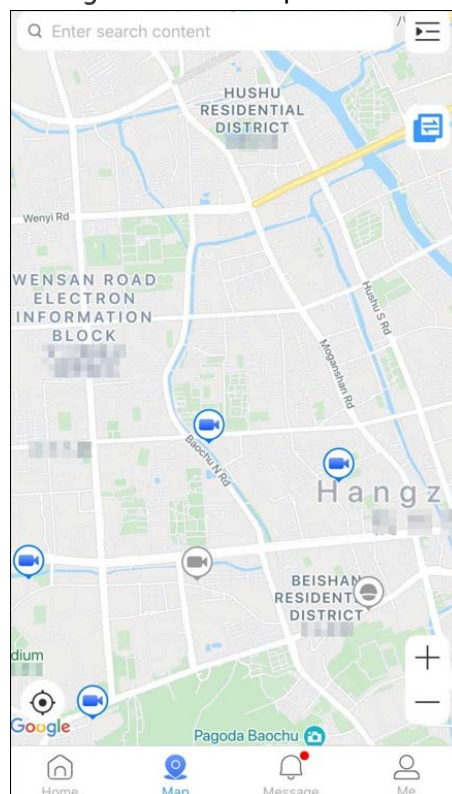
<u>Step 2</u> Tap a blue camera icon, and then you can play live or recorded videos.

- Gray icon means that the channel is offline, and you can only play back the center record if it has.
- Tap , and then you can select a channel in the device list to quickly find its location on the map. Make sure that you have added that channel to the map.
- Tap to view detailed device information such as the device type, name, manufacturer, and more.

Figure 4-31 Live view and playback

Step 3 (Optional) Zoom out the map, the channels will aggregate as a number. The displayed number is the quantity of aggregated channels.

● Tap a number on the map to show the aggregated channels. Swipe upward to unfold all channels.

Figure 4-32 Channel aggregation
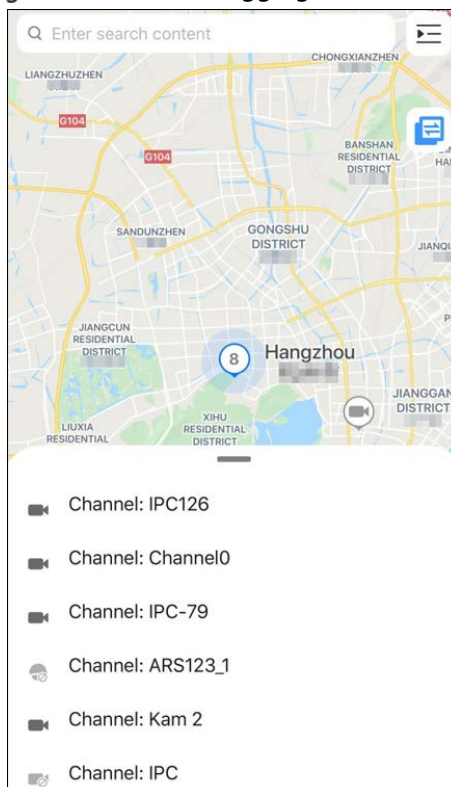
● Tap an online channel, and then you can view and playback live recorded videos (offline channel can only play back center records if it has).

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       Hot zone is supported on the GIS map. Tap ![icon] to view details. The function should be configured first on the DSS platform.

4.9.2 Raster Map

Step 1   On the **Home** interface, tap ![icon].

Step 2   Tap ![icon], select **Raster Map**, and then tap a raster map in the list.

Figure 4-33 Raster map

Step 3   Tap a blue camera icon, and then you can play live or recorded videos.

📖

- Gray icon means the channel is offline, and you can only play back the center record if it has.
- Tap ![icon], and then you can select a channel in the device list to quickly find its location on the map. Make sure that you have added that channel to the map.
- Tap ![icon] to view detailed device information such as the device type, name, manufacturer, and more.
- Hot zone is supported on the raster map. Tap ![icon] to view details. The function should be configured first on the DSS platform.

- You can find access control devices on the map and open or close the door remotely on App.

Figure 4-34 Live view and playback

4.10 Alarm Messages

On the **Message** interface, you can subscribe and manage messages, search and view history messages.

Prerequisite

Before managing alarm messages, you need to configure alarm events on the DSS platform. For details, see *DSS Pro User's Manual*.

Step 1　On the **Home** interface, tap 🔔.

Step 2　Operate on the **Message** interface.

Figure 4-35 Message interface
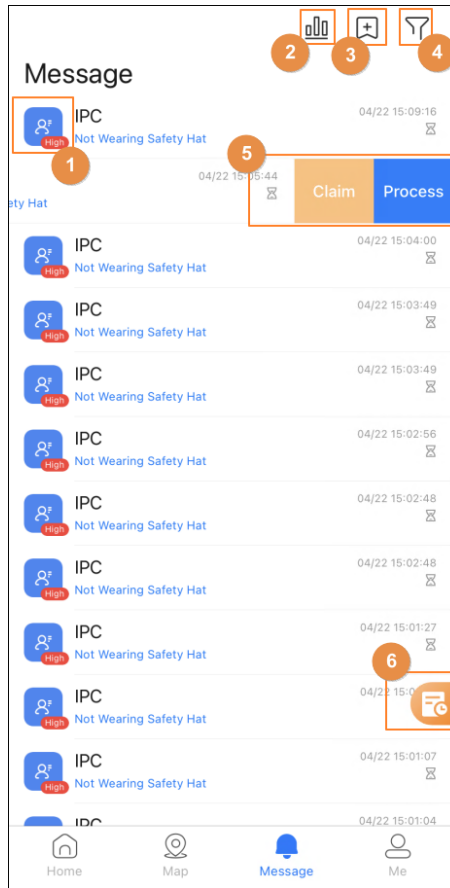
Table 4-4 Main function descriptions

No.	Name	Description
1	Alarm messages	Different icons mean different alarm categories, which share the same classification with message subscription types.
2	Message statistics	Tap ⬛ to view the latest alarm data. You can also tap **Event Center** on the **Home** interface to view message statistics. For details, see "5.10.4 Event Center".
2	Subscribe alarm messages	Tap ⊞ to subscribe alarm message. For details, see "4.10.1 Subscribing Messages".
3	Search alarm messages	Tap ▽ to search for history messages. For details, see "4.10.3 Searching for History Messages".
4	Message status	Display the message status. ⧗ means the alarm message is unprocessed. To process the message, you can: ● Tap the message to process it. ● Swipe the block to the left, and then select **Claim** or **Process**. For details, see "4.10.2 Dealing with Messages".
5	Taskbar	Tap 🗓 to view claimed messages. For details, see see "4.10.2 Dealing with Messages".

4.10.1 Subscribing Messages

Subscribe different alarms sources to keep updated.

Step 1 On the **Home** interface, tap ⌂.

Step 2 Tap ⊞.

Step 3 Enable alarm message subscription as needed. All messages are subscribed by default.

Figure 4-36 Subscribe alarm messages
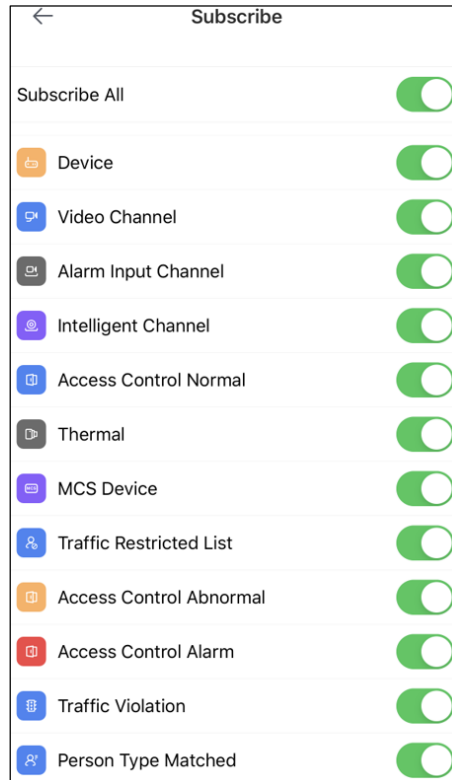
4.10.2 Dealing with Messages

You can deal with alarm messages by processing pending messages immediately or later, and by viewing message details on alarm status, individuals processing alarms, processing suggestions and linked videos or pictures, and live videos.

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This manual is for reference only, and might differ from the operations of the actual product.

Step 1 On the **Home** interface, tap ⌂.

Step 2 On the **Message** interface, select ⧗, swipe a message to the left, and then deal with the message.

- Directly process the message
1) Tap Process.
2) Select a processing status, enter comment (optional), and then tap **Done**.

Figure 4-37 Process the message
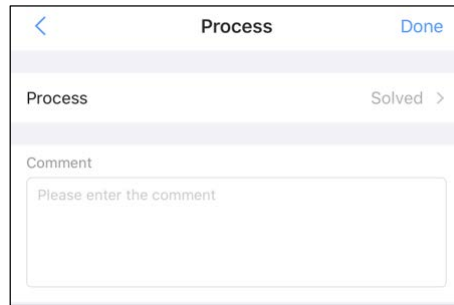
◇ Select **Solved** if the alarm event has been solved.
◇ Select **Ignored** if it is a false alarm.
◇ Select **Forward** to forward this message to another App user, who will process this message.

3) On the **Message** interface, tap a processed message to view alarm details.

Figure 4-38 Alarm details (processed message)
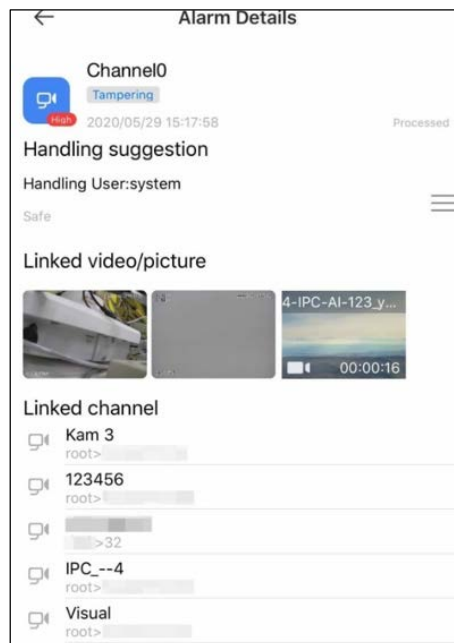
● Claim the message for later processing

1) Tap **Claim**.

2) Tap [icon] on the **Message** interface to view the messages.

Figure 4-39 Claimed messages
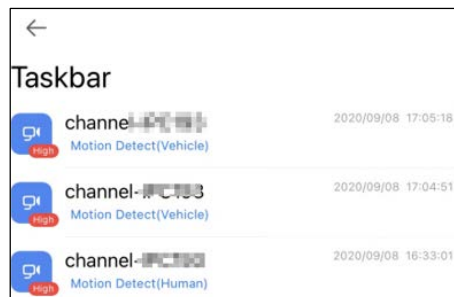
3) Select a claimed message, tap **Process** to view alarm details and process this message.

Figure 4-40 Alarm details (pending message)
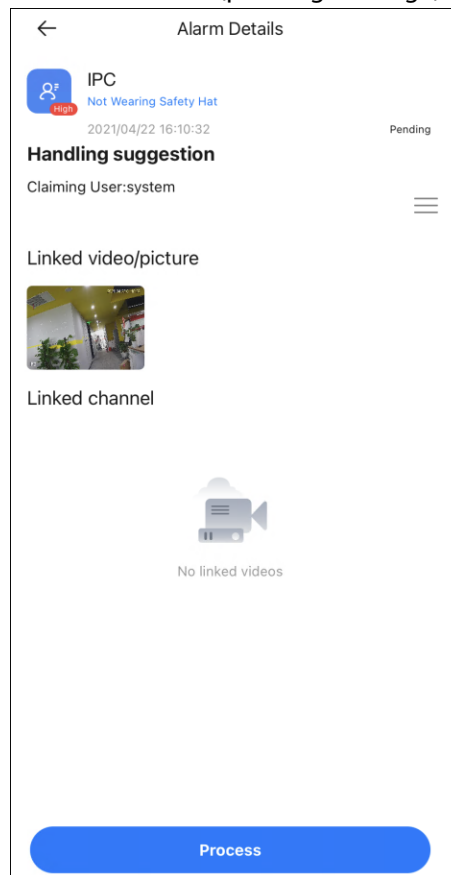
4.10.3 Searching for History Messages

You can sort the history messages by time, alarm type, process status, and alarm level.

<u>Step 1</u> On the **Home** interface, tap ⌄.

<u>Step 2</u> Tap ▽.

<u>Step 3</u> Set search conditions, and then tap **Search**.

To reset the search conditions, tap **Reset**.

Figure 4-41 Search history messages
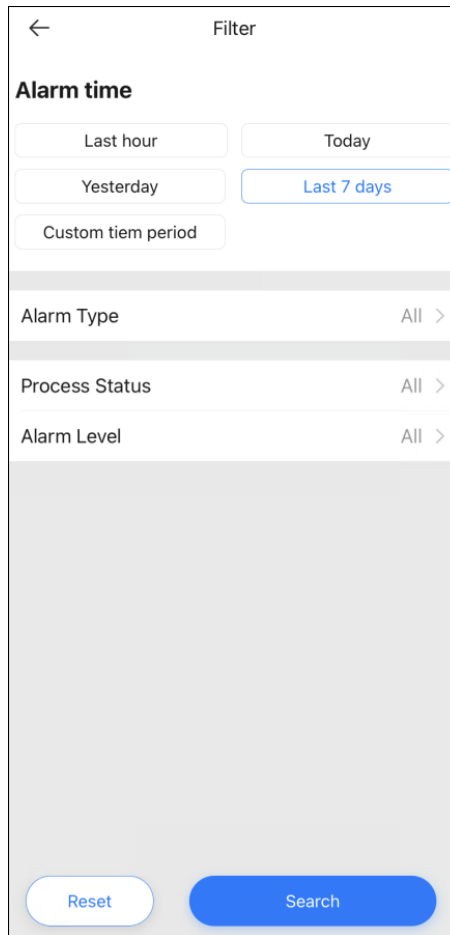
Step 4 Tap a result to view the details of the alarm message or process it.

Figure 4-42 Alarm Details

4.10.4 Event Center

You can view alarm statistics in **Event Center**. To go to **Event Center**, tap **Home** > **Event Center** or

🔔 > 📊 .

You can sort the latest alarm data by time (day, week, month). It supports viewing alarm data by processing status, alarm priority, alarm trend, and top 10 alarm sources and types.

Step 1 Tap ▤ at the upper-right corner to select an organization.

Step 2 On the **Message Statistics** interface, alarm statistics is generated.

Figure 4-43 Alarm message statistics

🔑
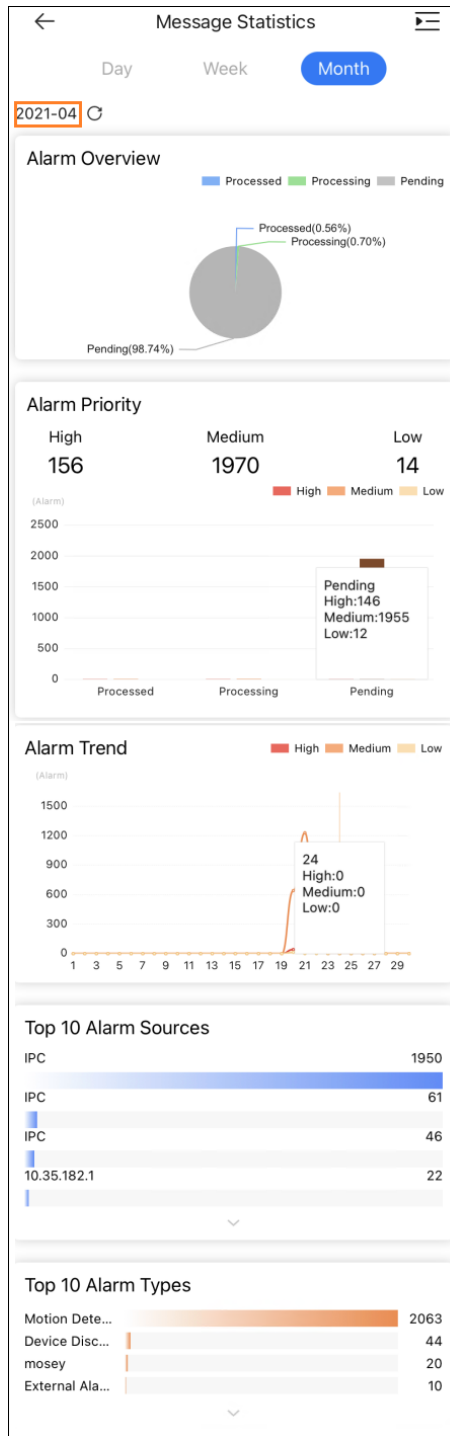
- To view specific alarm data by processing status, alarm priority and alarm trend, tap chart node on **Alarm Priority** and **Alarm Trend**.

- To view all alarm sources and types, tap ⌄ on **Top 10 Alarm Sources** and **Top 10 Alarm Types**.

- To select time (day, week, month), tap date on the orrange box.

4.11 Favorites

During live view, you can save channels to favorites so as to find them and go to live view quickly when needed.

Step 1   On the Home interface, tap [icon].

Step 2   Tap [icon], and then enter the folder name.

Figure 4-44 Create favorites folders
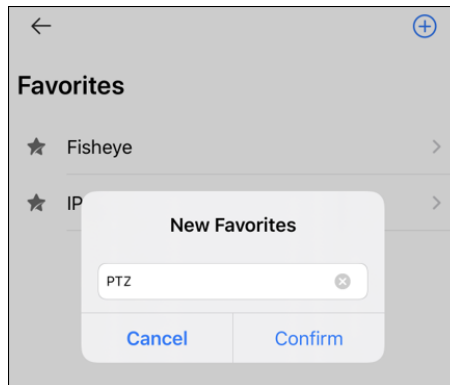
Step 3   Tap the new folder, tap [icon], select channels in the device list, and then tap **Collect**.

[key icon]

- Tap the existing folder, tap [icon] to add more channels.

- To delete the folder, swipe the folder block to the left, and then tap **Delete**.

[book icon]

You can also save channels to **Favorites** on **Live** interface. For details, see "4.1 Live View".

4.12 Maintenance Center

You can quickly view the running status of the DSS Pro Platform, including server, channel, and device. You can locate the faults by viewing fault sources and types, and then fix them in time. For details, see *DSS Pro User's Manual*.

Step 1   On the **Home** interface, tap **Maintenance Center**.

Step 2   View system status.

Figure 4-45 Running status of the system
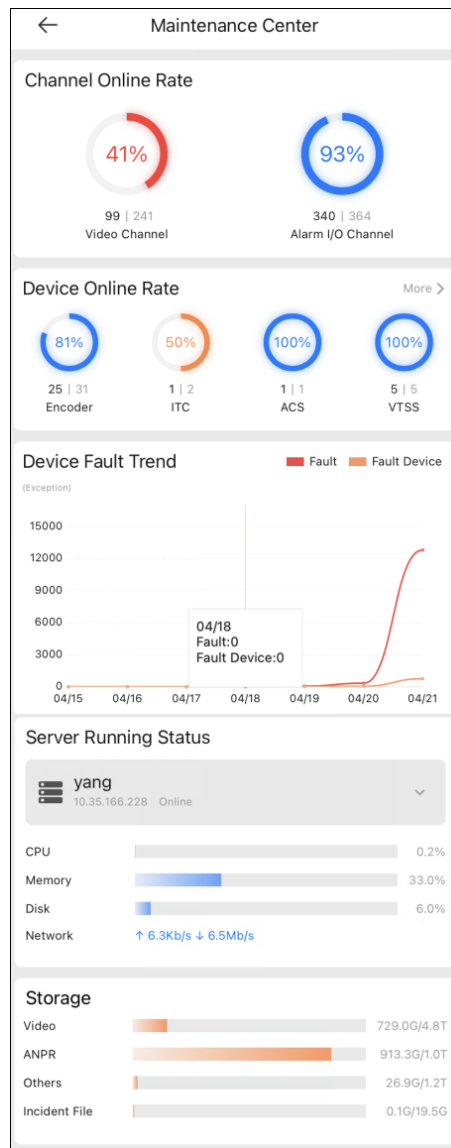
- To view details of device online number and online rate, tap **More** on **Device Online Rate**.
- To view specific data of faults and devices with faults, tap chart node on **Device Fault Trend**.
- Tap [⌄] to select a server on the **Server Running Status**.

5 System Configuration and Account Management

On **Me** interface, you can manage account information and configure system parameters.

Figure 5-1 Me
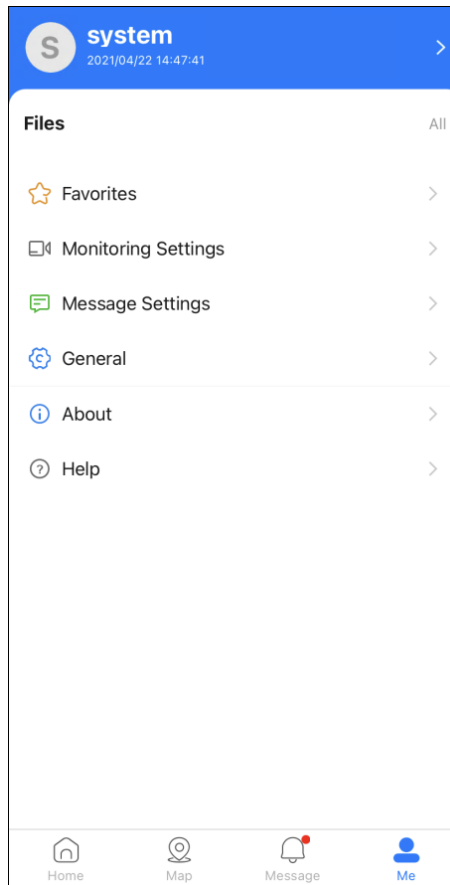
Table 5-1 Me

Name	Description
(S icon)	View account messages and switch account.
Files	Snapshots and recorded videos are saved in **Files**.
Favorites	For details, see "4.11 Favorites".
Monitoring Settings	• PTZ step: Select the step for PTZ camera from 1 to 8. • Maximum number of channels: Select from 1, 16, 32, 64 and 128. • Stream encryption: Enable it to prevent security risks. • Video default stream: Select from main stream, sub stream 1, and sub stream 2. • Picture-in-Picture: Enable it, and then live video can be viewed on the small floating windows simultaneously. • Query record type: Select from center record and device record.
Message Settings	• Alarm voice broadcast: Enable it, and then the new alarm will be reported with audio when you are using the App. For iOS system, alarm voice broadcast is disabled immediately when

Name	Description
	the App is in the background.
	● Offline call: Enable it, and then you can receive a push notification of the incoming call when the App is in the background (not log out).
	● Push notification: Enable it, and then notifications can be pushed. You cannot receive push notifications if you have logged out the App.
General	● Layout: Select from organization & device and device only.
	● Display device node: Display devices.
	● Theme mode: Select theme mode between normal and dark mode.
	● Gesture login & face login: Enable them, and then you can login with gesture, fingerprint, or face.
About	View information about the App
Help	View brief function introduction of each module.

Appendix 1 Cybersecurity Recommendations

Cybersecurity is more than just a buzzword: it's something that pertains to every device that is connected to the internet. IP video surveillance is not immune to cyber risks, but taking basic steps toward protecting and strengthening networks and networked appliances will make them less susceptible to attacks. Below are some tips and recommendations on how to create a more secured security system.

Mandatory actions to be taken for basic device network security:

1. **Use Strong Passwords**

   Please refer to the following suggestions to set passwords:
   ● The length should not be less than 8 characters;
   ● Include at least two types of characters; character types include upper and lower case letters, numbers and symbols;
   ● Do not contain the account name or the account name in reverse order;
   ● Do not use continuous characters, such as 123, abc, etc.;
   ● Do not use overlapped characters, such as 111, aaa, etc.;

2. **Update Firmware and Client Software in Time**

   ● According to the standard procedure in Tech-industry, we recommend to keep your device (such as NVR, DVR, IP camera, etc.) firmware up-to-date to ensure the system is equipped with the latest security patches and fixes. When the device is connected to the public network, it is recommended to enable the "auto-check for updates" function to obtain timely information of firmware updates released by the manufacturer.
   ● We suggest that you download and use the latest version of client software.

"Nice to have" recommendations to improve your device network security:

1. **Physical Protection**

   We suggest that you perform physical protection to device, especially storage devices. For example, place the device in a special computer room and cabinet, and implement well-done access control permission and key management to prevent unauthorized personnel from carrying out physical contacts such as damaging hardware, unauthorized connection of removable device (such as USB flash disk, serial port), etc.

2. **Change Passwords Regularly**

   We suggest that you change passwords regularly to reduce the risk of being guessed or cracked.

3. **Set and Update Passwords Reset Information Timely**

   The device supports password reset function. Please set up related information for password reset in time, including the end user's mailbox and password protection questions. If the information changes, please modify it in time. When setting password protection questions, it is suggested not to use those that can be easily guessed.

4. **Enable Account Lock**

   The account lock feature is enabled by default, and we recommend you to keep it on to guarantee the account security. If an attacker attempts to log in with the wrong password several times, the corresponding account and the source IP address will be locked.

5. **Change Default HTTP and Other Service Ports**

   We suggest you to change default HTTP and other service ports into any set of numbers between 1024~65535, reducing the risk of outsiders being able to guess which ports you are using.

6. **Enable HTTPS**

   We suggest you to enable HTTPS, so that you visit Web service through a secure communication channel.

7. **MAC Address Binding**

   We recommend you to bind the IP and MAC address of the gateway to the device, thus reducing the risk of ARP spoofing.

8. **Assign Accounts and Privileges Reasonably**

   According to business and management requirements, reasonably add users and assign a minimum set of permissions to them.

9. **Disable Unnecessary Services and Choose Secure Modes**

   If not needed, it is recommended to turn off some services such as SNMP, SMTP, UPnP, etc., to reduce risks.

   If necessary, it is highly recommended that you use safe modes, including but not limited to the following services:

   - SNMP: Choose SNMP v3, and set up strong encryption passwords and authentication passwords.
   - SMTP: Choose TLS to access mailbox server.
   - FTP: Choose SFTP, and set up strong passwords.
   - AP hotspot: Choose WPA2-PSK encryption mode, and set up strong passwords.

10. **Audio and Video Encrypted Transmission**

    If your audio and video data contents are very important or sensitive, we recommend that you use encrypted transmission function, to reduce the risk of audio and video data being stolen during transmission.

    Reminder: encrypted transmission will cause some loss in transmission efficiency.

11. **Secure Auditing**

    - Check online users: we suggest that you check online users regularly to see if the device is logged in without authorization.
    - Check device log: By viewing the logs, you can know the IP addresses that were used to log in to your devices and their key operations.

12. **Network Log**

    Due to the limited storage capacity of the device, the stored log is limited. If you need to save the log for a long time, it is recommended that you enable the network log function to ensure that the critical logs are synchronized to the network log server for tracing.

13. **Construct a Safe Network Environment**

    In order to better ensure the safety of device and reduce potential cyber risks, we recommend:

    - Disable the port mapping function of the router to avoid direct access to the intranet devices from external network.
    - The network should be partitioned and isolated according to the actual network needs. If there are no communication requirements between two sub networks, it is suggested to use VLAN, network GAP and other technologies to partition the network, so as to achieve the network isolation effect.
    - Establish the 802.1x access authentication system to reduce the risk of unauthorized access to private networks.
    - Enable IP/MAC address filtering function to limit the range of hosts allowed to access the device.