



Mobile Video Recorder

User Manual

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Symbol Conventions

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




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

TABLE OF CONTENTS

Chapter 1 Product Introduction.....	1
1.1 Introduction.....	1
1.2 Key Feature.....	1
Chapter 2 Start Up Device	2
2.1 Activation	2
2.1.1 Default Information.....	2
2.1.2 Activation Methods.....	2
2.2 Login and Logout.....	3
Chapter 3 Basic Operation.....	5
3.1 Record Schedule	5
3.1.1 Format Storage Media.....	5
3.1.2 Configure Continuous Recording.....	5
3.1.3 Configure Event Triggered Recording.....	7
3.2 Playback	9
3.3 Backup.....	9
3.3.1 Back up Video.....	9
3.3.2 Back up Clipped Video	10
Chapter 4 Network	11
4.1 Network Connection	11
4.1.1 Local Network	11
4.1.2 DDNS.....	11
4.1.3 Port.....	12
4.1.4 3G/4G	13
4.1.5 Network Priority.....	15
4.2 Advanced Parameters	16
4.2.1 Connect to the Platform	16
4.2.2 Connect to Wi-Fi.....	18
4.2.3 Share Network via Wi-Fi AP	19
4.2.4 FTP Settings.....	20
4.2.5 Network Condition Monitoring	21
Chapter 5 Live View and Configuration	23
5.1 Live View	23
5.1.1 Start/Stop Live View	23
5.1.2 Select Window Division Mode	23
5.1.3 Select Live View Stream.....	23
5.1.4 Manual Capture.....	23
5.1.5 Manual Recording	24
5.1.6 Start/Stop Two-Way Audio	24
5.1.7 Set Live View Volume	24
5.1.8 Full-Screen Live View	25
5.1.9 Channel-Zero.....	25
5.2 Local Configuration	25
Chapter 6 Mobile Device Features	27
6.1 Scheduled Startup/Shutdown.....	27
6.2 Halt Delay	29

6.3 Configure Satellite Positioning.....	30
6.4 Configure Sensor-In.....	31
6.5 Configure.....	32
6.5.1 Platform Settings.....	32
6.5.2 Registration Status	33
6.5.3 Registration Info.....	34
6.5.4 Serial Port Settings	34
Chapter 7 Camera Management	36
7.1 Configure Encoding Parameters	36
7.1.1 Configure Video Parameters	36
7.1.2 Configure Audio Parameters.....	36
7.1.3 Configure Security	37
7.2 Image	37
7.2.1 Configure Image Parameters	37
7.2.2 Mirror Type	38
7.2.3 Restore Default Image Settings.....	39
7.3 Set OSD Parameters	40
7.4 Configure Privacy Mask.....	41
Chapter 8 Events and Alarms	43
8.1 Configure Video Tampering.....	43
8.2 Video Loss Alarm.....	44
8.3 Configure Alarm Input.....	45
8.4 Configure Alarm Output.....	46
8.5 Configure Exception Alarm.....	47
8.6 Configure Arming Schedule	48
8.7 Configure Linkage Actions	49
8.7.1 Recording.....	49
8.7.2 Audible Warning.....	49
8.7.3 Screen Monitoring.....	49
8.7.4 Trigger Alarm Output.....	49
Chapter 9 Security	50
9.1 Manage User Account.....	50
9.2 Configure Allow list	50
9.3 Configure SSH	51
Chapter 10 Maintenance	52
10.1 View System Information	52
10.2 Search Log File	52
10.3 Upgrade System.....	52
10.4 Reboot.....	52
10.5 Restore Default Settings.....	52
10.6 Export Configuration File.....	53
10.7 Import Configuration File	53
10.8 Synchronize Time	53
10.9 Configure Local Output	54
10.10 Configure Serial Port	54
Chapter 11 Local Menu Operation	56
11.1 Preview.....	56

11.2 Set Camera Order	56
11.3 Record	58
11.3.1 Format Storage Media	58
11.3.2 Configure Recording Schedule	58
11.4 Playback	59
11.5 Backup.....	59

Chapter 1 Product Introduction

1.1 Introduction

The mobile DVR is for vehicle video and audio monitoring using an embedded Linux operating system. It supports the mixed access of HDTVI, AHD and CVBS cameras in HIK-wiring-sequence, with video and audio encoding/decoding, 3G/4G wireless network transmission, satellite positioning, data secure storage, alarm triggering and other functions. It also provides channel selection and coding scheme, which especially suitable for the video and audio monitoring needs for scenes like taxis, muck trucks, logistics vehicles, ships, etc. To meet the needs of long-time video recording, it adopts dual SD card for storage.

1.2 Key Feature

- 2 SD cards accessible. Up to 512 GB capacity for each.
- Access of 4 HDTVI, AHD, CVBS cameras with up to 1080P resolution
- Shutdown delay (0 h to 6 h) and 24-hour scheduled startup/shutdown
- Wide-range power input (+9 VDC to +32 VDC)
- Built-in 3G/4G module and Wi-Fi module providing flexible data transmission solutions.
- User-friendly GUI providing easy and flexible operations.
- Built-in GPS module precisely positioning the vehicle via the satellite and recording the location information in the video stream.
- Information collection interfaces collecting driving information such as left/right turn, braking, reversing, etc.
- Specialized aviation connectors ensuring signal stability
- Build-in UPS prevents the mobile DVR from damage made by sudden power outage
- Aluminum die-cast chassis with no fan design well adaptable to working environment
- Support software-based firewall
- Support accessing via WEB browser

Chapter 2 Start Up Device

2.1 Activation

2.1.1 Default Information

Device default IP address and user name are as follows.

- Default IP address: 192.168.1.64.
- Default user name: admin.

2.1.2 Activation Methods

Device supports activation via SADP, web browser, client software and local menu.

Note

Before activation via SADP, web browser or client software, make sure your device and computer are connected to the same LAN segment.

Before activation via local menu, make sure the device is connected to an external monitor.

Activate via Local Menu

You can activate the recorder via the local menu when it's connected to a CVBS Display.

Steps

Note

We highly recommend you to create a strong password of your own choosing in order to avoid cyber security threats, protecting your privacy and data.

Step 1 For the first-time access, enter a **Password** and **Confirm** the password according to the prompts.

Step 2 Tap **OK**.

Activate via SADP

You can activate one or more than one recorders at a time via SADP software.

Before You Start

- Ensure your computer and the device are in the same LAN segment.
- Get the SADP software from the official website, and install it according to the prompts.

Steps

Step 1 Run the SADP software.

Step 2 Check the device status from the device list, and select the inactive device.

 **Note**

We highly recommend you to create a strong password of your own choosing in order to avoid cyber security threats, protecting your privacy and data.

Step 3 Enter **Password** and **Confirm** the password on the **Activate Device** window.

Step 4 Click **Activate**.

Step 5 **Optional**: Change information such as IP address.

- 1) Select activated the recorder.
- 2) Enter the **IP address, subnet mask** and **gateway**.
- 3) Enter activation password at **Admin Password**.
- 4) Click **Save**.

Activate via Web Browser

You can activate the device via web browser if you expect to access, view and configure the recorder via web.

Before You Start

Ensure your device and computer are in the same LAN segment.

Steps

Step 1 Set IP addresses of your computer and device to make sure they are in the same network segment (e.g. 192.168.1.100).

Step 2 Input device IP address into your browser's address bar and press Enter.

 **Note**

We highly recommend you to create a strong password of your own choosing in order to avoid cyber security threats, protecting your privacy and data.

Step 3 Enter **Password** and **Conform** the password.

Step 4 Click **OK**.

2.2 Login and Logout

You can log in to the device via web browser for live view, playback and configuration.

Login

Step 1 Open the web browser, enter the IP address of the recorder (e.g. http://192.168.1.64/), and then press Enter.

Step 2 Enter **User Name** and **Password** and click **Login**.

Step 3 Download the plug-in following the prompts. Close the browser to install the plug-in.



Caution

Please close the browser before installing the plug-in, or the installation might be failed.

Logout

Click **Logout** in top right corner to log out of the recorder safely.

Chapter 3 Basic Operation

You can perform the basic operations after the camera has been connected to the recorder.

3.1 Record Schedule

To record the videos of the connected cameras, you need to install a storage media and format it, and configure the recording schedule.

3.1.1 Format Storage Media

A newly installed storage media (SD card) must be initialized before it can be used.

Before You Start

Install a storage media.

Steps

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

Step 2 Check the storage media and click **Format**.

Result

After format, the storage media status should be **Normal**.

3.1.2 Configure Continuous Recording

The device is configured with all-day continuous recording by default.

Before You Start

Install and format the storage media.

Steps

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

Step 2 Select **Channel No.**

Step 3 Check **Enable Record Plan**, and select recording type as **Continuous**.

Record Schedule

Channel No. Analog Camera1

Record Status No Recording

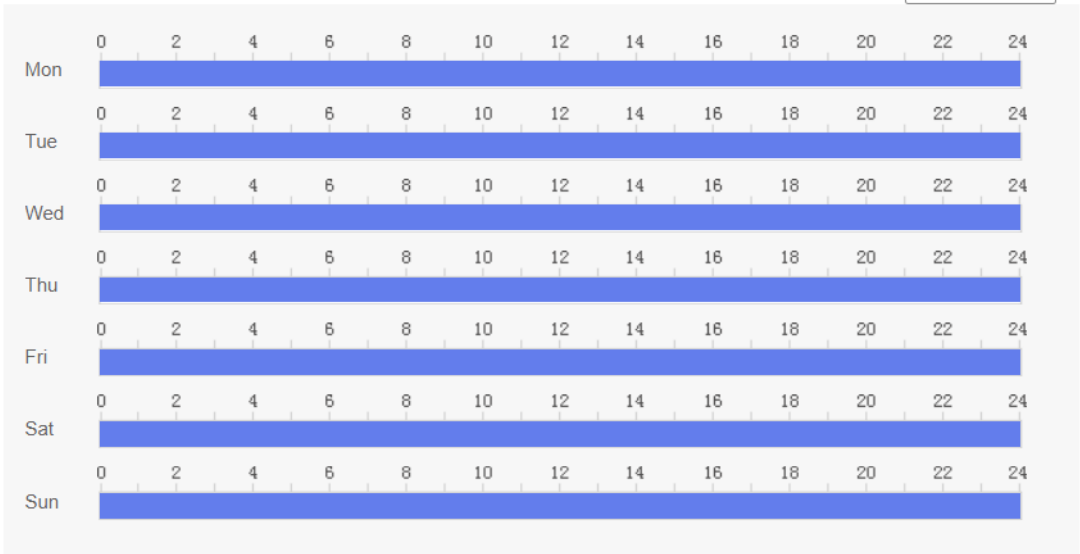
Enable Record Plan

Continuous

Delete

Delete All

Advanced



Copy to...

Save

Figure 3-1 Record Schedule

Step 4 Optional: Click **Advanced** to configure pre-record, post-record, and expired time.

Advanced [Close]

Pre-record: 20second(s)

Post-record: 5second(s)

Expired Time: 0 Day(s)

OK Cancel

Figure 3-2 Advanced Setting

- Pre-record

The time you set to start recording before the scheduled time or the event.

- Post-record

The time you set to stop recording after the scheduled time or the event.

Step 5 Configure recording schedule. Refer to 8.6 Configure Arming Schedule for details.

Step 6 Optional: Click **Copy to** to copy upper settings to other channel(s).

Step 7 Click **Save**.

3.1.3 Configure Event Triggered Recording

Trigger recording when an event is triggered.

Before You Start

- Install and format the storage media.
- Configure event parameters. Refer to "Events and Alarms" for details.

Steps

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

Step 2 Select **Channel No**.

Step 3 Check **Enable Record Plan**.

Step 4 Select recording type as **Alarm**.

Record Schedule

Channel No.

Record Status

Enable Record Plan

Legend: ■ Continuous, ■ Alarm

Figure 3-3 Record Type as Alarm

- Alarm

Trigger recording when alarm input is detected.

Step 5 **Optional:** Click **Advanced** to configure pre-record, post-record.

- Pre-record

The time you set to start recording before the scheduled time or the event.

- Post-record

The time you set to stop recording after the scheduled time or the event.

Step 6 Configure recording schedule. Refer to 8.6 Configure Arming Schedule for details.

Step 7 Optional: Click **Copy to** to copy upper settings to other channel(s).

Step 8 Click **Save**.

3.2 Playback

Play videos saved in storage media (SD card).

Steps

Step 1 Go to Playback.

Step 2 Select a Channel in the channel list.

Step 3 Select playback type.

Step 4 - To search all the videos, click **Ordinary Search**, and select the date.

Step 5 - To search event videos, click **Event Search**, and set the search conditions.

Step 6 Click **Search**.

Step 7 Drag the yellow line in time bar to the target time.










Step 8 Click  to start playback.

Table 3-1 Playback Options

Icon	Description	Icon	Description
	Pause playback.		Single frame playback.
	Fast forward.		Slow forward.
	Stop playback of all the channels.		Capture a picture. <hr/> Note For picture saving path, refer to Configuration > Local > Save snapshots when playback to .
	Turn on/off audio.		Playback in full screen.

Note

For picture saving path, refer to **Save snapshots** when playback to in **Configuration → Local**.

3.3 Backup

3.3.1 Back up Video

Download videos from storage media (SD card) as backup.

Steps

Step 1 Go to **Playback** → .

Step 2 Select **Channel No.**.

Step 3 Select **Search Type**.

- 1) - To search all the videos, click **Ordinary Search**, and select the date.
- 2) - To search event videos, click **Event Search**, and set the search conditions.

Step 4 Select **File Type**.

Step 5 Click **Search**.

Step 6 Check videos to download and click **Download**.

Step 7 For the video saving path, refer to **Save downloaded files to** in **Configuration** → **Local**.

3.3.2 Back up Clipped Video

Clip videos from storage media (SD card) and save them to a local path.

Steps

Step 1 Go to **Playback**.

Step 2 Select playback **Channel**.

Step 3 Select playback type.

- 1) - To search all the videos, click **Ordinary Search**, and select the date.
- 2) - To search event videos, click **Event Search**, and set the search conditions.

Step 4 Click **Search**.

Step 5 Drag the time bar to the target start time and click  to start clipping.

Step 6 Drag the time bar to the target stop time and click  again to stop clipping

Step 7 For clipped video saving path, refer to **Save clips to** in **Configuration** → **Local**.

Chapter 4 Network

4.1 Network Connection

4.1.1 Local Network

When the device is connected to the network via network cables, and the IP address needs to be edited to get access to the network, set the LAN parameters.

Steps

Step 1 Go to **Configuration** → **Network** → **Basic Settings** → **TCP/IP** → **Lan**.

The screenshot shows the 'TCP/IP' configuration page. At the top, there are navigation tabs: 'TCP/IP' (selected), 'DDNS', 'Port', '3G/4G', and 'Priority'. Below these are sub-tabs for 'Lan' (selected) and 'WLan1'. The main configuration area includes the following fields:

- Lan Choice:** A dropdown menu set to 'Debug Interface'.
- NIC Type:** A dropdown menu set to 'Auto'.
- IPv4 Address:** An empty text input field.
- IPv4 Subnet Mask:** An empty text input field.
- IPv4 Default Gateway:** An empty text input field.
- MAC Address:** A text input field with a greyed-out area.
- MTU:** A text input field containing the value '1500'.

Below these fields are three sections:

- DNS Server:** A section header followed by two text input fields: 'Preferred DNS Server' and 'Alternate DNS Server', both containing '0.0.0.0'.
- Network Share:** A section header followed by a checkbox labeled 'Enable Network Share', which is currently unchecked.

At the bottom of the page is a red button with a floppy disk icon and the text 'Save'.

Figure 4-1 TCP/IP Settings

Step 2 Select LAN interface. Select **Debug Interface** to debug the device.

Step 3 Enter **IPv4 Address**, **Subnet Mask**, and **Default Gateway**.

Step 4 Optional: To access the device via extranet, configure DNS server IP address.

Step 5 Click **Save**.

4.1.2 DDNS

When the network uses dynamic IP, you can connect to the DVR through DDNS.

Step 1 Go to **Configuration** → **Network** → **Basic Settings** → **DDNS** to set the following parameters.

TCP/IP	DDNS	Port	3G/4G	Priority
<input checked="" type="checkbox"/> Enable DDNS				
DDNS Type	DynDNS <input type="button" value="v"/>			
Server Address	<input type="text"/>			<input checked="" type="checkbox"/>
Domain	<input type="text"/>			<input checked="" type="checkbox"/>
User Name	admin			<input checked="" type="checkbox"/>
Password			<input checked="" type="checkbox"/>
Confirm			<input checked="" type="checkbox"/>
<input type="button" value="Save"/>				

Figure 4-2 DDNS

Step 2 Check **Enable**.

Step 3 The DDNS Type is default to DynDNS.

Step 4 Enter the Server Address, Domain, User Name, Password and then confirm the password.

Step 5 Click **Save**.

4.1.3 Port

You can modify port information when it fails to access the device due to port conflicts.

Go to **Configuration** → **Network** → **Basic Settings** → **Port** to set the following parameters.

TCP/IP	DDNS	Port	3G/4G	Priority
HTTP Port		<input type="text" value="80"/>		
RTSP Port		<input type="text" value="554"/>		
Server Port		<input type="text" value="8000"/>		


 Save

Figure 4-3 Port Settings

- HTTP Port

To access the device via web browser.

- RTSP Port

To get stream.

- Server Port

To access the device via client software.

4.1.4 3G/4G

Set the dialing parameters if you want to connect the device to the network via dialing.

Before You Start

Install SIM card and connect 3G/4G antenna to your device.

Steps

Step 1 Go to **Configuration** → **Network** → **Basic Settings** → **3G/4G**.

Mobile Video Recorder Quick Start Guide

TCP/IP DDNS Port **3G/4G** Priority

Modules Choise

Enable

Wireless Dial-up Status Dial Parameters

Module Status	normal
Real-time Mode	UNKNOWN
USIM Card Status	NOEXIST
Network Status	UNKNOWN
Signal Strength	UNKNOWN
Wireless Dial-up Status	dialingWaiting
IP Address	0.0.0.0
Subnet Mask	0.0.0.0
Gateway	0.0.0.0
DNS Address	0.0.0.0
IMEI	860521059486245

Figure 4-4 3G/4G Settings

Step 2 Check **Enable**.

Step 3 Click **Dial Parameters**.

Enable

Wireless Dial-up Status > **Dial Parameters**

Dial Mode: Automatic

Network Mode: Automatic

Access Number:

User Name:

Password:

APN:

MTU: 1500

Verification Protocol: Automatic

[The default load](#)

User Name:

Password:

APN:

Verification Protocol: Automatic

Figure 4-5 Dial Parameters

Step 4 Select **Network Mode**.

- Automatic

The device will automatically switch to the network with the strongest signal.

- 3G First

The device connects 3G network first.

- 3G/4G Priority

The device connects 3G/4G network first.

Step 5 Set dial parameters.

- 1) To connect the device to private network, enter **Access Number, User Name, Password,** and **APN**.
- 2) To connect the device to general network, you do not need to set dial parameters.

Step 6 Click **Save**.

Step 7 Optional: Click **Wireless Dial-up Status** to view dialing status.

4.1.5 Network Priority

Go to **Configuration** → **Network** → Basic Settings → Priority to set the order of different network connections of Cellular, Wi-Fi and Lan0.

TCP/IP	DDNS	Port	3G/4G	Priority
			Cellular	High
			Wi-Fi	Middle
			Lan0	Low


 Save

Figure 4-6 Network Priority

4.2 Advanced Parameters

4.2.1 Connect to the Platform

EHome is a platform access protocol. You can access the device via ISUP platform for live view or data management.

Before You Start

Get platform software ready for connection and ensure the device can communicate with the platform normally.

Steps

Step 1 Go to **Configuration** → **Network** → **Advanced Settings** → **Platform Access**.

Email **Platform Access** Wi-Fi Wi-Fi AP FTP Other

Enable

Platform Access Mode

Platform Version

Server Address Type

Server Address

Server Port

Device ID

Access Key

Register Status Offline

Platform Status		
Server Type	IP Address	Port
Alarm Server	0.0.0.0	0
Picture Server	0.0.0.0	0
NTP Server	0.0.0.0	0
Backup Server	0.0.0.0	0

Figure 4-7 Platform Access

Step 2 Check **Enable**.

Step 3 Select **Platform Access Mode** as **Ehome Platform**.

Step 4 Select **Platform Version** and Select **Server Address Type**.

Note

When the server is in extranet, and the IP address is dynamic, you can select **Domain Name**.
When the server IP address is static, you can select **IP Address**.

Step 5 Enter server address, server port and device ID.

 **Note**

The device ID is the same as that is registered on the platform.

Step 6 Click **Save**.

Step 7 **Optional**: When the registration status shows online, you can add or manage the device via the platform software. Refer to its corresponding manual for details.

4.2.2 Connect to Wi-Fi

You can set Wi-Fi parameters when the device is connected to the safe network via Wi-Fi.

Steps

Step 1 Go to **Configuration** → **Network** → **Advanced Settings** → **Wi-Fi** to set Wi-Fi parameters.

Email Platform Access **Wi-Fi** Wi-Fi AP FTP Other

Wi-Fi Configuration Wi-Fi Status

Wireless List Search

No.	SSID	Working Mode	Security Mode	Channel	Signal Strength	Speed(Mbps)

Wi-Fi

Enable Wi-Fi

SSID

Network Mode Managed

Security Mode

Figure 4-8 Wi-Fi Settings

- 1) Click **Search** in the top right corner to search available Wi-Fi.

- 2) Select **SSID** in Wireless List. The related information will be matched automatically.
- 3) Select **Network Mode** as **Managed**.

Step 2 Click **Save**.

 **Note**

Go to **Configuration** → **Network** → **Advanced Settings** → **Wi-Fi** and click **Wi-Fi Status** to view Wi-Fi status.

After the Wi-Fi is connected, you can get access to the device via the WLAN IP address in **Configuration** → **Network** → **Basic Settings** → **TCP/IP**.

4.2.3 Share Network via Wi-Fi AP

The recorder can work as a wireless router. Other devices can access network via the recorder.

Steps

 **Caution**

Wi-Fi AP and Wi-Fi cannot be enabled at the same time. Enabling one will disable the other automatically.

Step 1 Go to **Configuration** → **Network** → **Advanced Settings** → **Wi-Fi AP**.

Enable Wi-Fi AP

Enable AP Broadcast

Enable WLAN HotSpot

SSID

Security Mode ▼

IP Address

SubNet Mask

DHCP

Enable DHCP

Start IP Address

End IP Address


 Save

Figure 4-9 Wi-Fi AP Settings

Step 2 Check **Enable Wi-Fi AP**, **Enable AP Broadcast**, and **Enable WLAN Hotspot**.

Step 3 Configure the hotspot parameters.

- 1) Enter **SSID** (hotspot name).
- 2) Select **Security Mode**.
- 3) Enter **IP Address** and **Subnet Mask**.

 **Note**

The IP address should be in different network segment with that of TCP/IP address.

Step 4 Optional: Check **Enable DHCP** and enter **Start IP Address** and **End IP Address**.

Step 5 Click **Save**.

4.2.4 FTP Settings

Go to **Configuration** → **Network** → **Advanced Settings** → **FTP** to set the FTP path for saving.






Email	Platform Access	Wi-Fi	Wi-Fi AP	FTP	Other
FTP Selection		FTP1 			
<input checked="" type="checkbox"/> Enable					
Server Address		<input type="text"/>			
Port		21			
User Name		admin			
Password		<input type="password"/> 			
Confirm		<input type="password"/> 			
Directory Structure		Save in the root directory 			
<input checked="" type="checkbox"/> Upload Picture					
<input checked="" type="checkbox"/> Upload Video					
					

Figure 4-10 FTP Settings

Step 2 Select the **FTP Server**.

Step 3 Check the checkbox to enable FTP saving.

Step 4 Set the server IP address, port number, port.

Step 5 Enter the user name, and password.

Step 6 Confirm the password.

Step 7 Set the saving directory

Step 8 Check the checkbox to enable Image Uploading.

Step 9 Click **Save**.


4.2.5 Network Condition Monitoring

Network condition monitoring can test the connection between the devices and platform or other terminal.

Step 1 Go to **Configuration** → **Network** → **Advanced Settings** → **Others** to set the following parameters.

Enable Virtual Host

Network condition monitoring

IP Address 


Port 

Figure 4-11 Network Condition Monitoring

Step 2 Check **Enable**.

Step 3 Enter IP address and Port.

Step 4 Click **Test** to test the connection condition.

Step 5 Click **Save**.

Chapter 5 Live View and Configuration

5.1 Live View

5.1.1 Start/Stop Live View

Start/stop the live view of cameras.

Start Live View

Go to **Live View** and click a camera in the camera list to start live view.



Select a division window and click camera to display its live image in selected window. The window division mode will not be memorized and you need to reset when reopen live view.

Click  to start the live view of all cameras.

Stop live view

Click the camera again to stop its live view.

Click  to stop the live view of all cameras.


5.1.2 Select Window Division Mode

You can select live view window division modes to switch single or multiple live view windows. You can use paging to check live view of all cameras.

Window Division Mode

Click  to select live view window division mode.

Paging

Click  to turn to previous/next page.

5.1.3 Select Live View Stream

The device supports main stream and sub-stream. Main stream is used for continuous recording and sub-stream is used for network transmission.

Click  to select live view stream.

5.1.4 Manual Capture

Capture live view pictures and save them to your computer.

Steps

Step 1 Go to **Live View**.

Step 2 Start live view of a camera.

Step 3 Click .

Step 4 View captured pictures.

- 1) Enter the path popped up in the lower right corner of the interface.
- 2) Go to **Configuration** → **Local** for the saving path of snapshots in live view.


5.1.5 Manual Recording

Record videos in live view and save them to your computer.

Steps

Step 1 Go to **Live View**.

Step 2 Start live view of a camera.

Step 3 Click  to start recording.

Step 4 Click  again to stop recording.

Result

Go to the set saving path to view recorded videos.

- 1) Enter the path popped up in the lower right corner of the interface.
- 2) Go to **Configuration** → **Local** for the saving path of record files.

5.1.6 Start/Stop Two-Way Audio

You can start real-time two-way audio between your computer and the recorder.

Before You Start

- Connect the audio input (e.g. microphone) and output devices (e.g. speaker) to the recorder.
- Start live view.

Steps




Step 1 Start the live view of a camera.

Step 2 Click .

Result


- At computer end, you can hear the audio from recorder.
- At recorder end, you can hear the audio from computer.

5.1.7 Set Live View Volume

Turn on audio and adjust audio volume to hear the audio from computer.
Click  to turn on audio. Click  to turn off audio.
Drag the slider  to adjust volume.

5.1.8 Full-Screen Live View

Step 1 Display the live view image in full screen.

Step 2 Start the live view and click  to display the live view image in full screen.

Step 3 Press **Esc** to exit from the full-screen mode.

5.1.9 Channel-Zero

Channel-zero, known as virtual channel, can show the videos from all channels of the recorder, reducing the bandwidth while simultaneously previewing from multichannel.

Steps



The number of windows displayed on channel-zero is the same as that of local output of the device.

Step 1 Go to **Configuration** → **Video/Audio** → **Channel-zero**.

Step 2 Check **Enable Channel-zero Encoding**.

Step 3 Select **Max. Bitrate** and **Max. Frame Rate**.

Step 4 Click **Save**.

Step 5 Go to **Live View**.

Step 6 Double click Channel-zero in the camera list to start live view of channel-zero.

Result

Showing the live view of multiple channels in one window.

5.2 Local Configuration

Go to **Configuration** → **Local** to configure the parameters of live view, record files, pictures, and clips.

- Stream Type

Select **Main Stream** if you want to view the HD image for default live view. Select **Sub Stream** if you want to view the BD image for default live view.

- Play Performance

Shortest Delay: The device ensures real-time capacity in priority.

Auto: The device will automatically adjust the live view stream to balance real-time capacity and fluency.

- Rules

If you enable the function and enable VCA function, the rule information will be displayed on the live view image (e.g., marked with a green rectangle).

- Image Size

Select the image aspect ratio.

- Auto Start **Live View**

Select **Yes** if you want to enable live view automatically after login. Select **No** if not.

Chapter 6 Mobile Device Features

6.1 Scheduled Startup/Shutdown

The device will automatically start up/shut down according to the schedule.

Before You Start

Wire power cord. For details, refer to Quick Start Guide.

Steps

Step 1 Go to **Configuration** → **Vehicle** → **Startup**.

Step 2 Select **Auto Work Type** as Scheduled Startup/Shutdown.

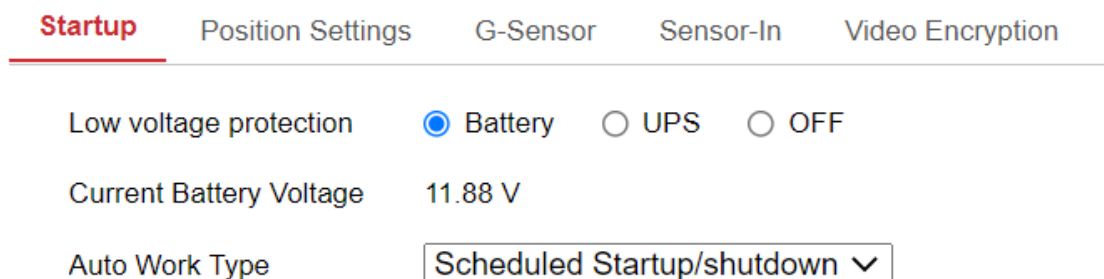


Figure 6-1 Startup

Step 3 Click and hold to choose a start time on the time line, drag to the end time, and release the mouse to set a schedule.

Step 4 Adjust time periods.

- 1) Click a time period. Click the circles on the left and right end of the time period to adjust.
- 2) Click a time period. Enter **Start Time** and **End Time**. Click **Save**.

Startup Position Settings G-Sensor Sensor-In Video Encryption

Low voltage protection Battery UPS OFF

Current Battery Voltage 11.88 V

Auto Work Type Scheduled Startup/shutdown ▾

✕ Delete 🗑️ Delete All

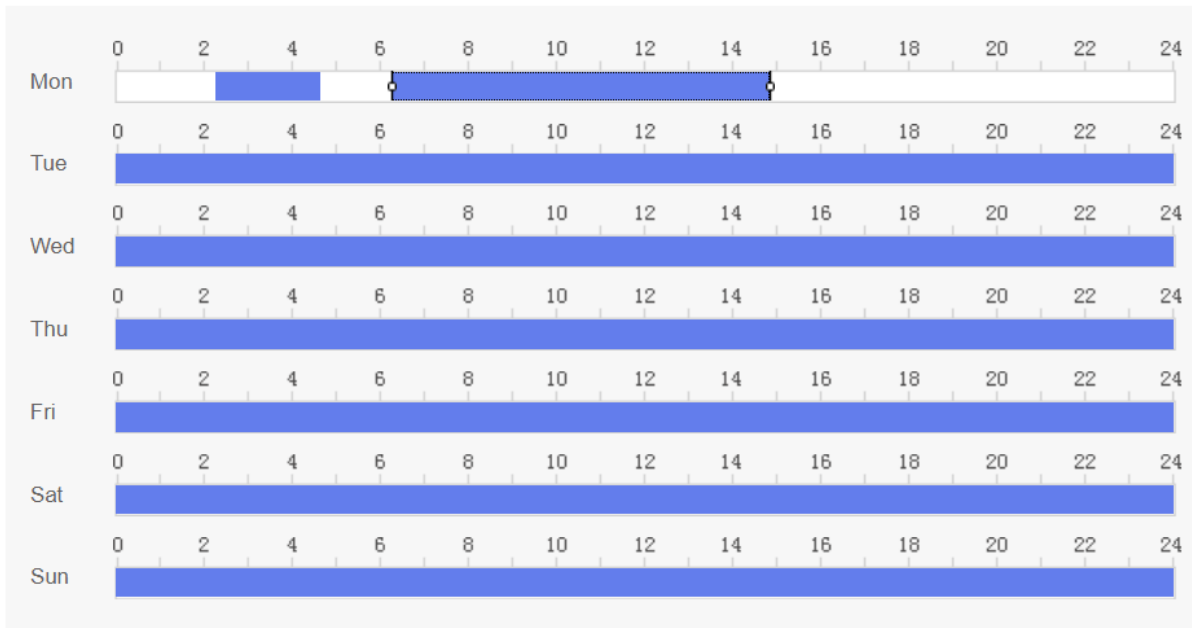


Figure 6-2 Scheduled Startup/Shutdown

Note

Click **Clear All** to delete all the time periods.

Up to **2** time periods can be set for each day.

Step 5 Click **Copy to** on the right side of the time period, select desired weeks and click **OK** to copy the settings to other weeks.

Step 6 Click **Copy to** below the time period, select desired channel(s) and click **OK** to copy the settings to other channels.

Step 7 Click **Save** to complete configurations.

Step 8 **Optional**: Select **Low voltage protection** as **Battery** or **UPS**.

Note

- When the device power voltage is lower than the system threshold, the device will shut down automatically, no matter what type of startup/shutdown mode you selected.

- 1) Check **Enable** Low voltage protection.

- 2) Set the threshold.
- 3) Click **Save**.

6.2 Halt Delay

You can set the shutdown delay time (Vehicle Ignition Startup and Shutdown) for the device.

Before You Start

Wire power cord. For details, refer to Quick Start Guide.

Steps

Step 1 Go to **Configuration** → **Vehicle** → **Startup**.

Figure 6-3 Startup

Step 2 Select **Auto Work Type** as **Halt Delay**.

Step 3 Select **Delay Time**.

Step 4 Click **Save**.

Step 5 Optional: Select **Low voltage protection**.

Note

When the device power voltage is lower than the system threshold, the device will shut down automatically, no matter what type of startup/shutdown mode you selected.

- 1) Check **Enable** Low voltage protection.
- 2) Set the threshold.
- 3) Click **Save**.

6.3 Configure Satellite Positioning

The GPS enables device positioning, time synchronizing and speed limit alarm.

Before You Start

Install the positioning antenna.

Steps

Step 1 Go to **Configuration** → **Vehicle** → **Position Settings** → **Location Configuration**.

Startup **Position Settings** G-Sensor Sensor-In Video Encryption

Location Configuration Location Status

Position Module Built-in

Locating Module GPS

Satellite Time Sync Enable

Speed Units Kilometers Per Hour Miles Per Hour

Speed Limit of Alarm 100

Overspeed Duration (sec... 0

Blind Replacement (day) 2

GPS Upload Interval (Se... 10

Display OSD on

Analog Camera Select All A1 A2 A3 A4

IP Camera Select All D1

<input type="checkbox"/> Normal Linkage	<input type="checkbox"/> Trigger Alarm Output
<input checked="" type="checkbox"/> Audible Warning	<input type="checkbox"/> A->1
<input type="checkbox"/> Send Email	<input type="checkbox"/> A->2
<input type="checkbox"/> Notify Surveillance Center	
<input type="checkbox"/> Full Screen Monitoring	

Figure 6-4 Location Configuration

Step 2 Select **Position Module**.

- Built-in

Obtain data from the satellite positioning module built in the device.

- Intelligent Display Terminal

Obtain data from display terminal.

Step 3 Select **Locating Module**.



Note

The combination mode means the positioning module will be selected automatically. For example, if **GPS/BDS** is selected, GPS or BDS will be selected automatically.

The positioning module varies with models. The actual interface prevails.

Step 4 **Optional**: Check **Enable** of **Satellite Time Sync** to synchronize the device time with satellite time.

Step 5 Configure the speed limit.

- 1) Select **Speed Units**.
- 2) Enter **Speed Limit of Alarm**.

Step 6 Check the channel(s) you want the positioning information to be displayed.

The positioning information will be displayed in the live view and playback images of the selected channel(s).

Step 7 Configure the linkage actions.

- 1) If you want the overspeed vehicle to trigger the speed alarm, check **Trigger Alarm Output** and check the alarm output.
- 2) If you want the overspeed vehicle to trigger the device to beep, check **Audible Warning**.

Step 8 Click **Save**.

Step 9 Optional: Click Location Status to view the positioning information.

6.4 Configure Sensor-In

Sensor-in detects and records the driving information of the vehicle, including pedal braking, turning left/right, reversing, etc.

Before You Start

Connect the sensor-in interface to vehicle corresponding interface.

Steps

Step 1 Go to **Configuration** → **Vehicle** → **Sensor-In**.

Sensor-In

Enable	<input checked="" type="checkbox"/>		
	Trigger Level	Pop Channel	
Brake	<input type="text" value="High Level"/>	<input type="text" value="None"/>	
Turn Left	<input type="text" value="High Level"/>	<input type="text" value="None"/>	
Turn Right	<input type="text" value="High Level"/>	<input type="text" value="None"/>	
Reverse	<input type="text" value="High Level"/>	<input type="text" value="None"/>	

Save

Figure 6-5 Sensor In Settings

Step 2 Select electric level according to actual situation.

Step 3 Select **Trigger Level** and **Pop Channel** according to actual situation.

The image of selected channel will be displayed in full screen when sensor-in is triggered.

Step 4 Click **Save**.

6.5 Configure

6.5.1 Platform Settings

Steps

Step 1 Go to **Configuration** → **Network** → **Advanced Settings** → **Platform Access**.






<input checked="" type="checkbox"/> Enable	
Platform Access Mode	Ehome Platform 
Platform Version	v5.0 
Server Address Type	IP Address 
Server Address	0.0.0.0
Server Port	7660
Device ID	
Access Key	●●●●●● 
Register Status	Offline

Figure 6-6 Platform Access

Step 2 Select the **Platform**.

Step 3 Check **Enable**.

Step 4 Configure the main and auxiliary server.

Step 5 Enter the information required about login, vehicles and the device.

Step 6 Configure the serial port parameters of the platform.

Step 7 Enter the state of the vehicles.

Step 8 Click **Save**.

6.5.2 Registration Status

Steps

Step 1 Go to **Configuration** → **Network** → **Advanced Settings** → **Platform Access**.

Step 2 Select the **Platform**, and view the registration status.

Step 3 Click Refresh to refresh the information.

[Email](#) **[Platform Access](#)** [Wi-Fi](#) [Wi-Fi AP](#) [FTP](#) [Other](#)

Enable

Platform Access Mode

Platform Version

Server Address Type

Server Address

Server Port

Device ID

Access Key

Register Status **Offline**

Platform Status		
Server Type	IP Address	Port
Alarm Server	0.0.0.0	0
Picture Server	0.0.0.0	0
NTP Server	0.0.0.0	0
Backup Server	0.0.0.0	0

Figure 6-7 Registration Status

6.5.3 Registration Info.

Steps

- Step 1 Go to **Configuration** → **Network** → **Advanced Settings** → **Platform Access**.
- Step 2 Enter the **Server Address**.
- Step 3 Enter the **Server Port**.
- Step 4 Enter the **Access Key**
- Step 5 Click **Save**.

6.5.4 Serial Port Settings

Steps

Step 1 Go to **Configuration** → **System** → **System Settings** → **Serial Configuration**.


Basic Information	Time Settings	DST	Serial Configuration	About
COM	RS232			
Baud Rate	115200			
Data Bit	8			
Stop Bit	1			
Parity	None			
Flow Ctrl	None			
Usage	Console			
				

Figure 6-8 Serial Port Settings

Step 2 Select the **Serial Port type**.

Step 3 Select the **User Mode**.

Step 4 Select the **Baud Rate**.

Step 5 Click **Save**.

Chapter 7 Camera Management

7.1 Configure Encoding Parameters

7.1.1 Configure Video Parameters

Configure encoding parameters to adjust live view image and video parameters.

Step 1 Go to **Configuration** → **Video/Audio** → **Video**.

Video	Audio	Channel-zero
Channel No.	Analog Camera1	
Stream Type	Main Stream(Normal)	
Video Type	Video&Audio	
Resolution	1280*720	
Bitrate Type	Variable	
Video Quality	Medium	
Frame Rate	Full Frame Rate	fps
Max. Bitrate	2048	Kbps
Video Encoding	H.265	
Video Encryption	OFF	

Copy to... Save

Figure 7-1 Video Parameters

- In good network situation, you can set high resolution and bitrate to improve image quality.
- In bad network situation, you can set low resolution, bitrate, and frame rate to get fluent image.
- In bad network situation, if you want to guarantee the resolution, you can set low bitrate and frame rate to get fluent image.

7.1.2 Configure Audio Parameters

Configure encoding parameters to adjust live view image and video parameters.

Step 1 Go to **Configuration** → **Video/Audio** → **Audio**.

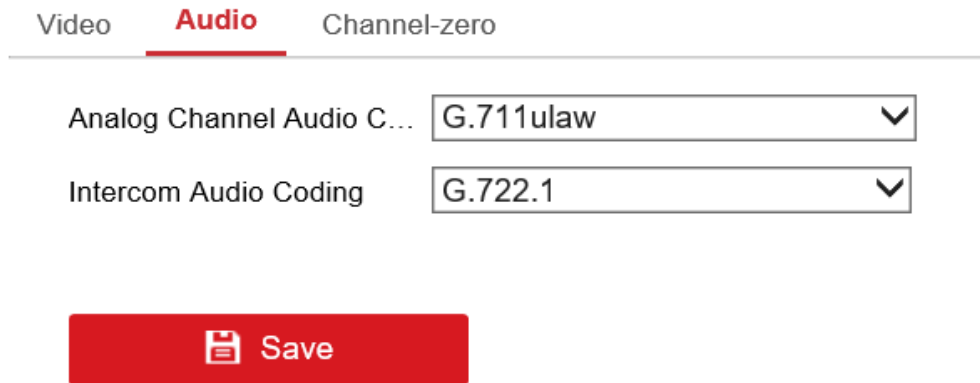


Figure 7-2 Audio Parameters

Step 2 Set the analog camera audio encoding mode.

Step 3 Set the intercom audio encoding mode.

7.1.3 Configure Security

Configure encoding parameters to adjust live view image and video parameters.

Step 1 Go to **Configuration** → **Vehicle** → **Video Encryption**.

Step 2 Enter the **Encryption Key**.

Step 3 Enter the **Decryption Key**.

Step 4 Click **Save**.

7.2 Image

7.2.1 Configure Image Parameters

Step 1 You can adjust the image parameters to get clear image.

Steps

Step 2 Go to **Configuration** → **Image** → **Display Settings**.

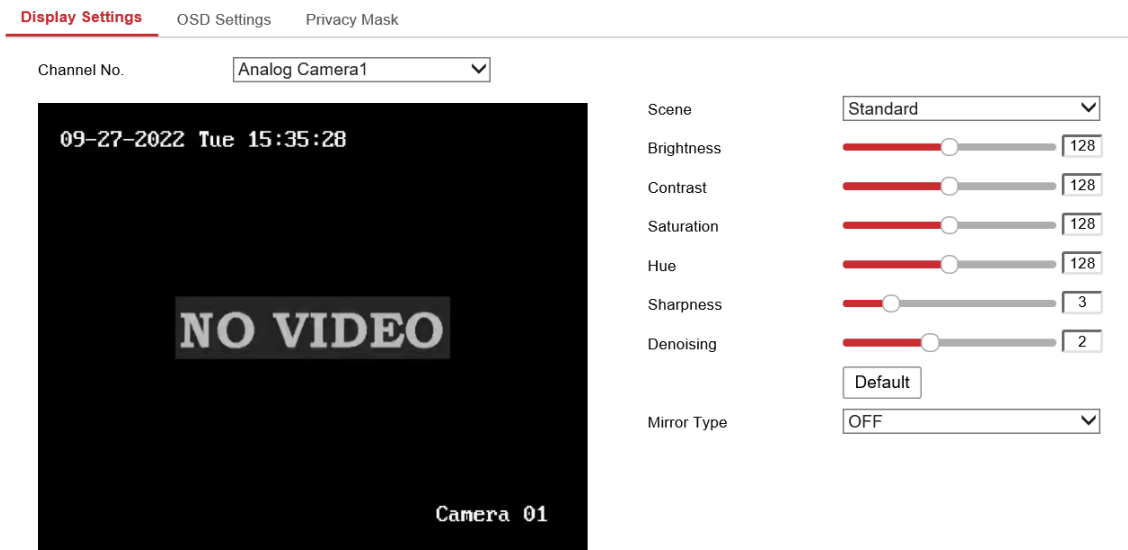


Figure 7-3 Display Settings

Step 3 Select **Channel No.**

Step 4 Select **Scene** according to the actual environment.

Step 5 Adjust the parameters of Brightness, Contrast, Saturation, Hue and sharpness to get clear images.

Step 6 Optional: You can adjust the image denoising level to remove noise from images. The higher the level, the better the denoising effect.

7.2.2 Mirror Type

When the visual angle of the live view image deviates with that of the actual covered area, you can set the mirror type to adjust the image to the normal visual angle.

Steps

Step 1 Go to **Configuration** → **Image** → **Display Settings**.

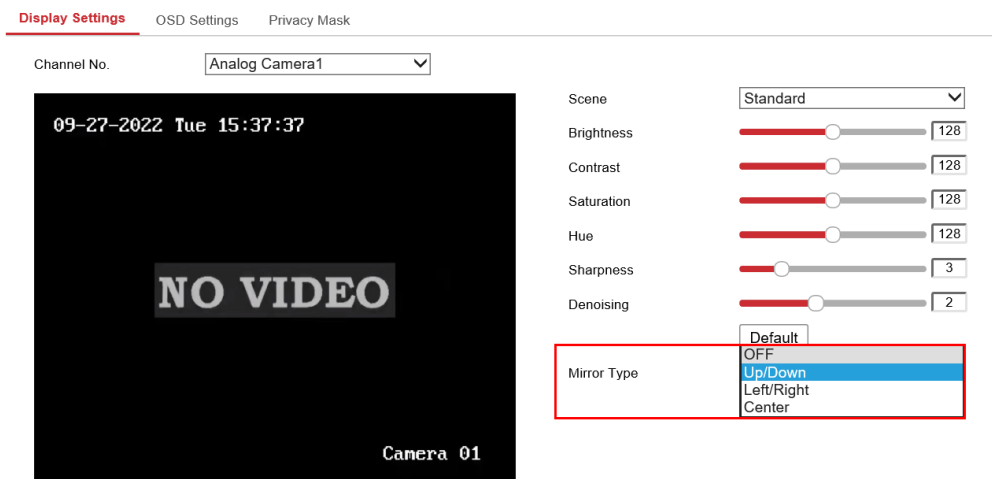


Figure 7-4 Display Settings

Step 2 Select **Mirror Type** according to actual practice. **Mirror** is set disabled by default.

Note

The supported parameters may vary with different models. The actual device prevails.

7.2.3 Restore Default Image Settings

When the image color is imbalanced, or the lens cannot be controlled, you can improve the image quality by restoring default image settings.

Go to **Configuration** → **Image** → **Display Settings**. Select a camera and click **Default** to view the image.

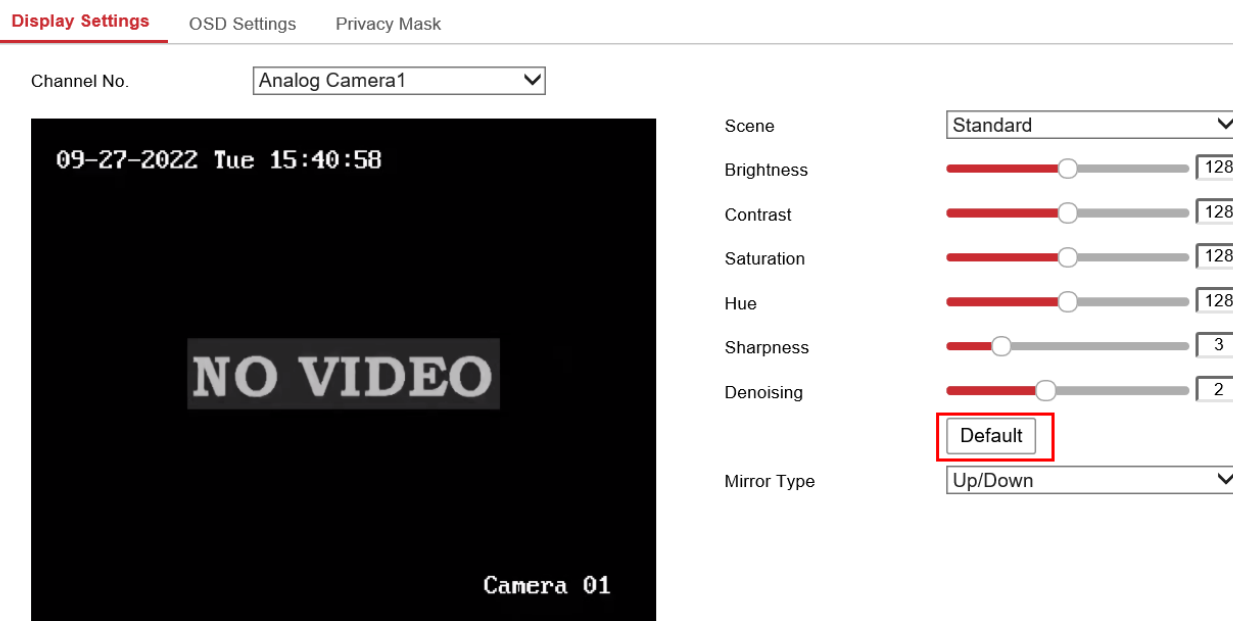


Figure 7-5 Default Image Settings

7.3 Set OSD Parameters

You can customize OSD information on the live view.

Steps

Step 1 Go to **Configuration** → **Image** → **OSD Settings**.

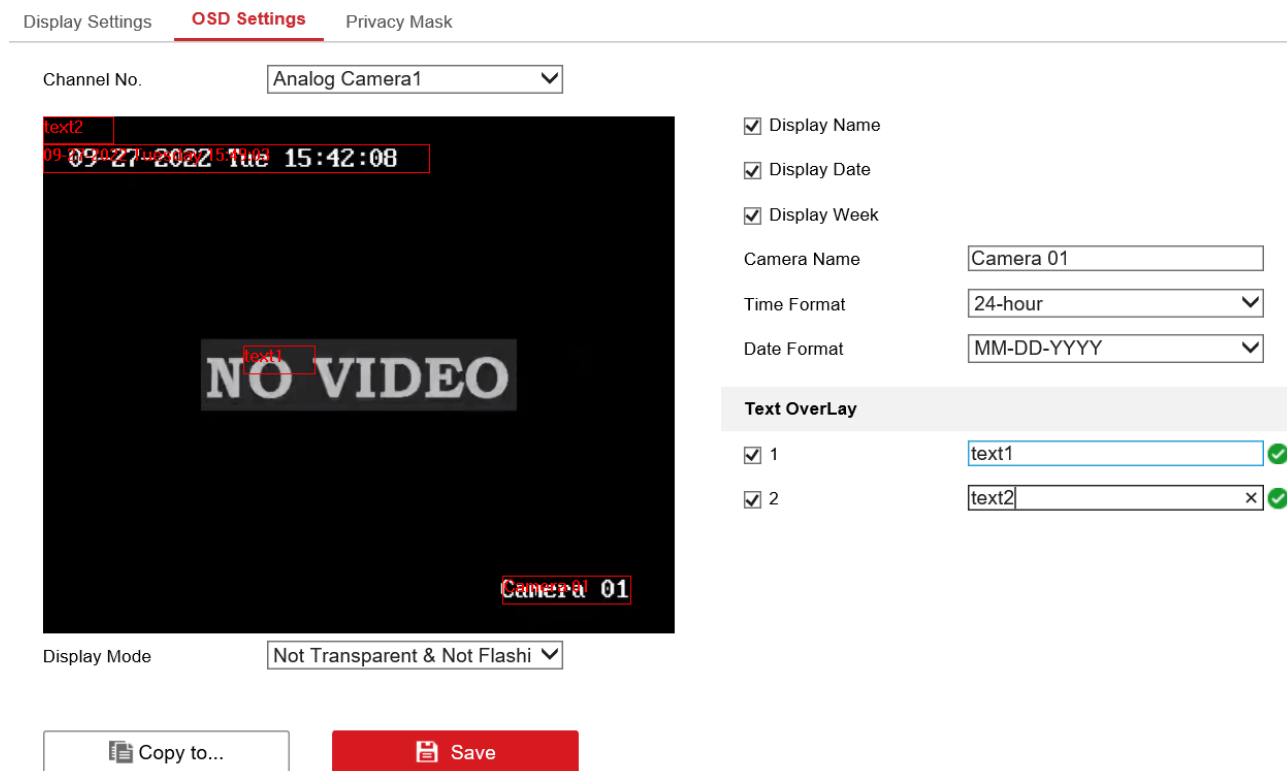


Figure 7-6 OSD Parameters

Step 2 Select **Channel No.**

Step 3 Enter **Camera Name**. Select Time Format and Date Format.

Step 4 Check **Display Name**, **Display Week** or **Display Date** according to actual practice.

Step 5 Select **OSD Type**.

Step 6 Optional: To display text on the screen, check the text No. and enter the text.

Step 7 Drag the red frames on live view image to adjust the OSD positions.

Step 8 Click **Save**.

Result

The set content will be displayed on the live view image and recorded videos.

7.4 Configure Privacy Mask

The privacy mask can be used to protect personal privacy by concealing parts of the image from view or recording with a masked area.

 **Note**

Up to four privacy mask areas are supported for each channel.

Steps

Step 1 Go to **Configuration** → **Image** → **Privacy Mask**.

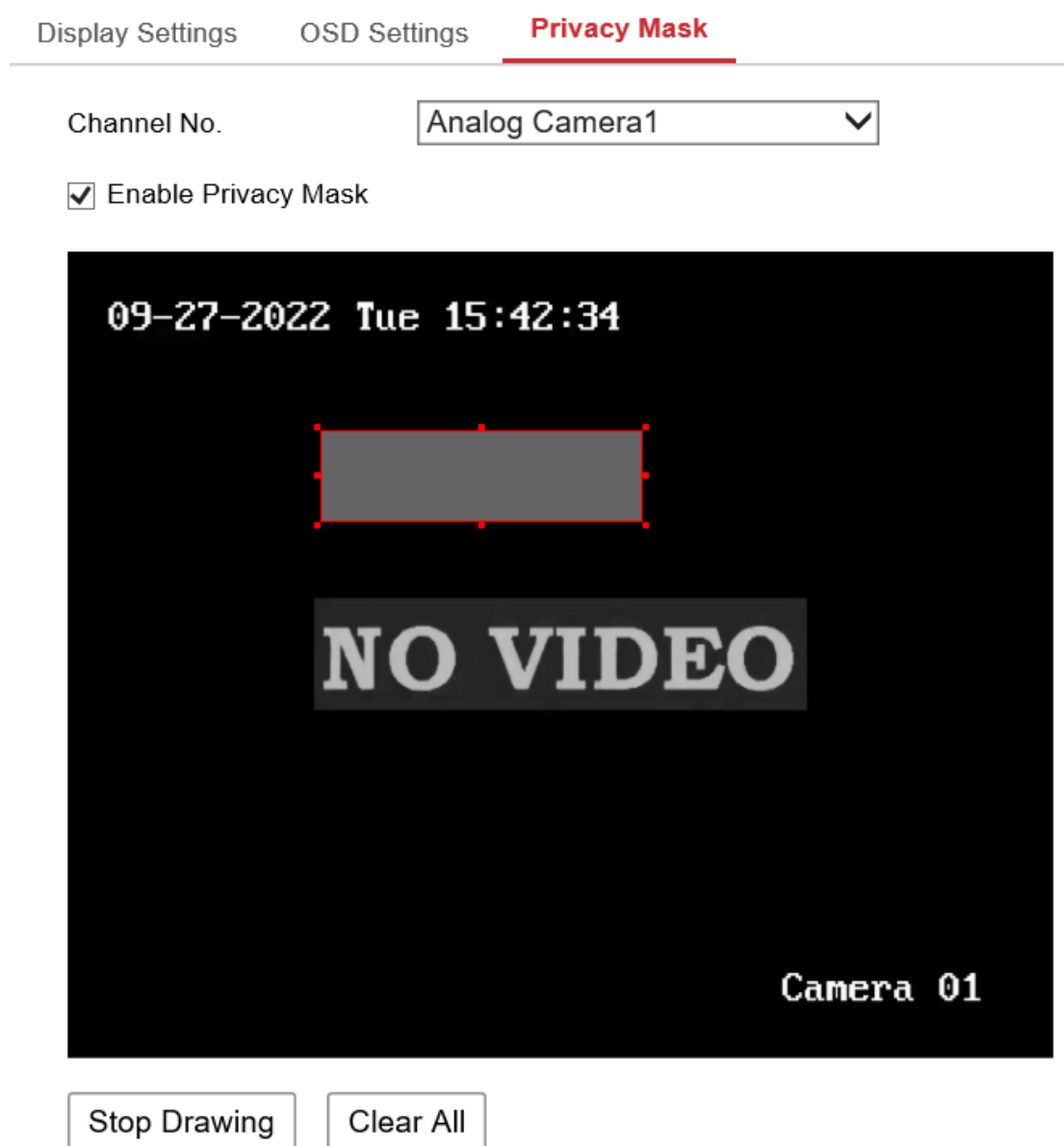


Figure 7-7 Privacy Mask

Step 2 Check **Enable Privacy Mask**.

Step 3 Draw detection area.

- 1) Click **Draw Area**.
- 2) In live view image, drag to draw the privacy mask area.
- 3) Click **Stop Drawing**.

Step 4 **Optional**: Click **Clear All** to clear all the drawn areas.

Step 5 Click **Save**.

Result

The image of drawn area will be shielded in the live view.

Chapter 8 Events and Alarms

8.1 Configure Video Tampering

When the video is tampered, the video tampering alarm will be triggered.

Step 1 Go to **Configuration** → **Event** → **Basic Event** → **Video Tampering**.

Video Tampering Video Loss Alarm Input Alarm Output Exception

Channel No. Analog Camera1

Enable Video Tampering

Area Settings Arming Schedule Linkage Method

09-27-2022 Tue 15:48:03

NO VIDEO

Camera 01

Draw Area Clear All

Sensitivity 30

Figure 8-1 Video Tampering

Step 2 Check **Enable Video Tampering**.

Step 3 Configure Area Setting by first clicking Draw Area, then drawing the area, and finally clicking Stop Drawing. You can clear all areas by clicking Clear All.

Step 4 Configure **Arming Schedule**. Refer to 8.6 Configure Arming Schedule for details.

Step 5 Configure **Linkage Method**. Refer to 8.7 Configure Linkage Actions for details.

8.2 Video Loss Alarm

When the recorder cannot receive video signal from the analog cameras, the video loss alarm will be triggered.

Steps

Step 1 Go to **Configuration** → **Event** → **Basic Event** → **Video Loss**.

Video Tampering **Video Loss** Alarm Input Alarm Output Exception

Channel No.

Enable Video Loss Detection

Arming Schedule Linkage Method

Mon	0	2	4	6	8	10	12	14	16	18	20	22	24
Tue	0	2	4	6	8	10	12	14	16	18	20	22	24
Wed	0	2	4	6	8	10	12	14	16	18	20	22	24
Thu	0	2	4	6	8	10	12	14	16	18	20	22	24
Fri	0	2	4	6	8	10	12	14	16	18	20	22	24
Sat	0	2	4	6	8	10	12	14	16	18	20	22	24
Sun	0	2	4	6	8	10	12	14	16	18	20	22	24

Figure 8-2 Video Loss

Step 2 Check **Enable Video Loss Detection**.

Step 3 Configure Arming Schedule. Refer to 8.6 Configure Arming Schedule for details.

Step 4 Configure Linkage Method. Refer to 8.7 Configure Linkage Actions for details.

Step 5 Click **Save**.

Result

When video loss occurs, the image of the camera will not be displayed on the screen.

8.3 Configure Alarm Input

If you want the recorder to connect to peripheral alarm input devices to realize linkage alarm, set alarm input.

Before You Start

Connect an alarm device to your recorder via the alarm input cables.

Steps

Step 1 Go to **Configuration** → **Event** → **Basic Event** → **Alarm Input**.

Video Tampering	Video Loss	Alarm Input	Alarm Output	Exception											
Alarm Input No.	A<-1	▼	IP Address	Local											
Trigger Level	Low Level	▼	Alarm Name	(Cannot Copy)											
Alarm Type	Other	▼	Alarm Status	OFF (Cannot Copy)											
<input checked="" type="checkbox"/> Enable Alarm Input Handling															
Arming Schedule		Linkage Method													
<input type="button" value="Delete"/> <input type="button" value="Delete All"/>															
Mon	0	2	4	6	8	10	12	14	16	18	20	22	24	[Blue bar]	
Tue	0	2	4	6	8	10	12	14	16	18	20	22	24	[Blue bar]	
Wed	0	2	4	6	8	10	12	14	16	18	20	22	24	[Blue bar]	
Thu	0	2	4	6	8	10	12	14	16	18	20	22	24	[Blue bar]	
Fri	0	2	4	6	8	10	12	14	16	18	20	22	24	[Blue bar]	
Sat	0	2	4	6	8	10	12	14	16	18	20	22	24	[Blue bar]	
Sun	0	2	4	6	8	10	12	14	16	18	20	22	24	[Blue bar]	

Figure 8-3 Alarm Input

Step 2 Select **Alarm Input No.** and enter **Alarm Name**.

Step 3 Select **Alarm Type** according to alarm device type.

Step 4 Check **Enable Alarm Input Handling**.

Step 5 Configure **Arming Schedule**. Refer to 8.6 Configure Arming Schedule for details.

Step 6 Configure **Linkage Method**. Refer to 8.7 Configure Linkage Actions for details.

Step 7 **Optional**: Click **Copy to** and select desired channel(s) to copy the above settings to other alarm input(s).

Step 8 Click **Save**.

8.4 Configure Alarm Output

If you want the recorder to link with the alarm output device to alarm when events occur, set alarm output.

Before You Start

Connect an alarm device to your recorder via the alarm output cables.

Steps

Step 1 Go to **Configuration** → **Event** → **Basic Event** → **Alarm Output**.

Video Tampering Video Loss Alarm Input **Alarm Output** Exception

Alarm Output No. IP Address

Default Status Triggering Status

Delay Alarm Name

Alarm Status (Cannot Copy)

Arming Schedule

Delete Delete All

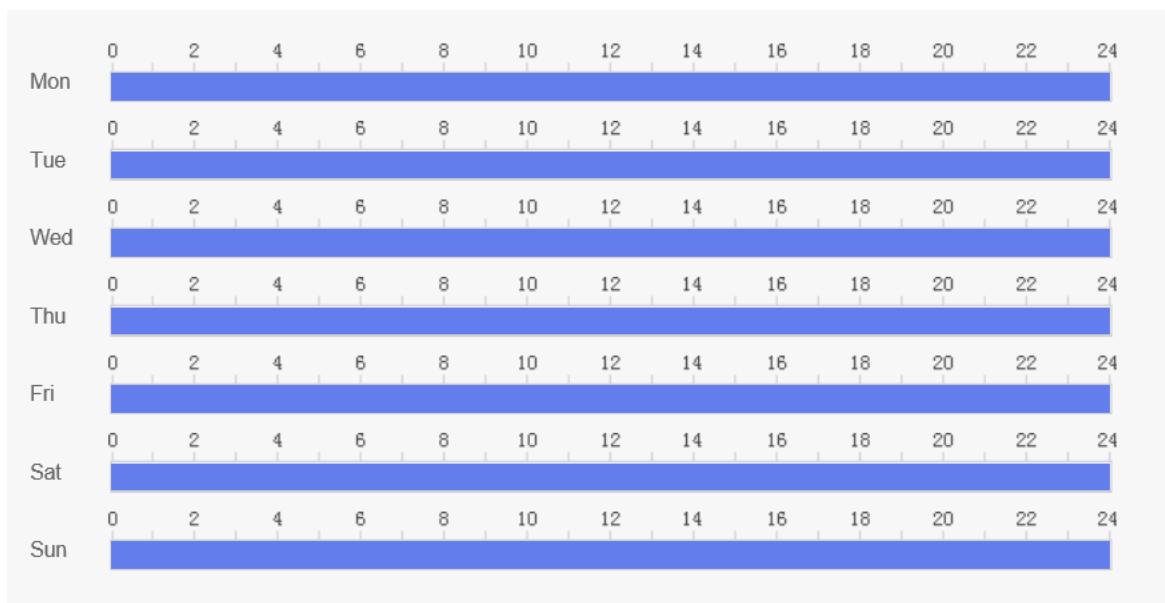


Figure 8-4 Alarm Output

Step 2 Select **Alarm Output No.** and enter **Alarm Name.**

Step 3 Select **Delay** to set dwell time.

Alarm output will continue for the set time.

Step 4 Configure **Arming Schedule.** Refer to 8.6 Configure Arming Schedule for details.

Step 5 **Optional:** Click **Manual Alarm** to trigger alarm manually. Click **Stop Alarm** to stop manual alarm.

Step 6 **Optional:** Click **Copy to** and select desired channel(s) to copy the above settings to other alarm output(s).

Step 7 Click **Save.**

8.5 Configure Exception Alarm

Configure alarms which are triggered by exceptions (e.g. IP conflicts, storage error) to take necessary actions in time.

Steps

1. Go to **Configuration** → **Event** → **Basic Event** → **Exception**.

Video Tampering Video Loss Alarm Input Alarm Output **Exception**

Exception Type Storage Full ▼

<input type="checkbox"/> Normal Linkage	<input type="checkbox"/> Trigger Alarm Output
<input type="checkbox"/> Audible Warning	<input type="checkbox"/> A->1
<input type="checkbox"/> Send Email	<input type="checkbox"/> A->2
<input type="checkbox"/> Notify Surveillance Center	


 Save

Figure 8-5 Exception Alarm

Step 2 Select **Exception Type**.

Step 3 Configure linkage method. Refer to 8.7 Configure Linkage Actions for details.

Step 4 Click **Save**.

8.6 Configure Arming Schedule

Steps

Step 1 Drag in time line to draw an arming period.

Step 2 Adjust the set arming period.

- 1) Click a time period. Click the circles on the left and right end of the time period to adjust.
- 2) Click a period, enter start time and end time, and click **Save**.

 **Note**

Click **Delete All** to delete all periods.

Up to 8 time periods can be set for each day.

Step 3 Optional: Click **Copy to** and select desired weeks to copy the above settings to other weeks.

Step 4 Optional: Click **Copy to** and select desired channels to copy the above settings to other channels.

Step 5 Click **Save**.

8.7 Configure Linkage Actions

Check the linkage action(s) when events occur, and click **Save**.

 **Note**

Linkage actions vary with event types. The actual device prevails.

8.7.1 Recording

The device will start recording when events occur.

8.7.2 Audible Warning

The device will trigger an audible beep when events occur.

8.7.3 Screen Monitoring

The image of the alarm channel will pop up on the connected external monitor when events occur.

8.7.4 Trigger Alarm Output

Check the alarm output channel(s) to trigger the alarm of the connected alarm output device(s).

Chapter 9 Security

9.1 Manage User Account

You need to add a new user account to operate on the device.

Before You Start

For the first-time access, you need to set an admin password to operate on the device.

Steps



We highly recommend you to create a strong password of your own choosing (using 8 to 16 characters, including at least two kinds of following categories: upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product.

Step 1 Go to **Configuration** → **System** → **User Management**. Admin users already added to the system will be displayed.

Step 2 Click **Add**. Enter user name and password, and click **OK** to add a new user account.

- 1) Select a user and click **Delete** to delete the user.
- 2) Select a user and click **Modify** to modify the user information.

9.2 Configure Allow list

Configure allow list to prevent intrusions and ensure cyber security.

Steps

Step 1 Go to **Configuration** → **System** → **Security** → Allow List.

Step 2 Check **Enable Allow List**.

Step 3 Click Add, enter the allowed IP Address.

- 1) Select an IP address and click **Modify** to edit the IP address.
- 2) Select an IP address and click **Delete** to delete the IP address.

Step 4 Click **Save**.

Result

Only the trusted IP addresses on the allow list can get access to the device.

9.3 Configure SSH

SSH is disabled by default and we highly recommend SSH stay disabled for security reasons. This setting is reserved for professional maintenance personnel only.

Chapter 10 Maintenance

10.1 View System Information

Go to **Configuration** → **System** → **System Settings** → **Basic Information** to view the device information. You can edit Device Name and Device No.

10.2 Search Log File

You can view and export logs saved in the recorder storage media.

Go to **Configuration** → **System** → **Maintenance** → **Log** to search, view or export logs.

10.3 Upgrade System

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

Before You Start

Save the upgrade file in computer.

Steps

Step 1 Go to **Configuration** → **System** → **Maintenance** → **Upgrade & Maintenance**.

Step 2 Click **Browse** and select the upgrade file. Click **Open**.

Step 3 Click **Upgrade** and click **OK** in the popup message box to start upgrading.

Caution

The upgrading process will last one to ten minutes. DO NOT disconnect power to the device during the process. The device will reboot automatically after upgrading.

10.4 Reboot

Reboot your recorder via menu instead of disconnecting power from the recorder.

Go to **Configuration** → **System** → **Maintenance** → **Upgrade & Maintenance**. Click **Reboot** and click **OK** in popup message box to start rebooting.

10.5 Restore Default Settings

When the device is abnormal caused by the incorrect set parameters, you can Go to **Configuration** → **System** → **Maintenance** → **Upgrade & Maintenance** to restore the parameters.

Restore	When image error occurs or the device does not run properly, you can Restore all parameters, except the network and user account parameters, to the default settings.
Default	Restore all parameters to the default settings. You will have to set password to activate the device again. The default function is not recommended unless it is of great necessity.

10.6 Export Configuration File

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

Steps

Step 1 Go to **Configuration** → **System** → **Maintenance** → **Upgrade & Maintenance**.

Step 2 Click Device Parameters, enter the file name and click **Save**.

The files will be saved in the computer.

10.7 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.



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

Steps

Step 1 Go to **Configuration** → **System** → **Maintenance** → **Upgrade & Maintenance**.

Step 2 Click Browse under the Import Configuration File, Select the configuration file, click Import and click OK on the popup window to import the parameters and reboot the device.

10.8 Synchronize Time

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

Steps

Step 1 Go to **Configuration** → **System** → **System Settings** → **Time Settings**.

Step 2 Select **Time Zone** according to the device location.

Step 3 Select the time synchronization mode.

- 1) If an NTP server is available, select **NTP** and enter NTP server information (**Server Address, NTP Port** and **Time Interval**) to synchronize the device time with that of the NTP server. After configuration, you can click **Test** to detect connection between the device and the NTP server.
- 2) Select **Manual Time Sync.** and check **Sync. with computer time** to synchronize the device time with that of the computer.

Step 4 Click **Save**.

10.9 Configure Local Output

When the operation menu cannot be displayed on the monitor due to that the main and auxiliary interfaces have switched or the output resolution does not match with the actual display, you can switch between the main and auxiliary interfaces via the web browser.

Go to **Configuration** → **System** → **System Settings** → **Menu Output**, and select **Menu Output** and **Main CVBS**.



The function varies with device models. The actual device prevails.

10.10 Configure Serial Port

Set RS-232 parameters if you need to debug the device via RS-232 serial port, or peripheral devices have been connected.

Before You Start

Connect a peripheral device to your recorder via the RS-232 serial port. RS-232 serial port supports two working modes.

- Transparent Channel

Connect a peripheral device (e.g. alarm button) directly to the recorder for data transmission.

- Console

Select it when you need to debug the recorder via RS-232 serial port.

Steps

Step 1 Go to **Configuration** → **System** → **System Settings** → **Serial Configuration**.

Step 2 Select **COM** port the peripheral device connects to.

 **Note**

No need to select COM port if the recorder is equipped with 1 RS-232 serial port.

Step 3 Edit **Baud Rate, Data Bit, Stop Bit**, etc.

Step 4 Select **Usage**.

Step 5 Click **Save**.

Chapter 11 Local Menu Operation

Connect a display and a mouse to the recorder, and you can operate the recorder locally.

11.1 Preview

Purpose:

Configure the dwell time of live view, set the camera order, enable/disable the audio preview, etc.

Step 1 Go to **Menu > Other Settings > Preview**.

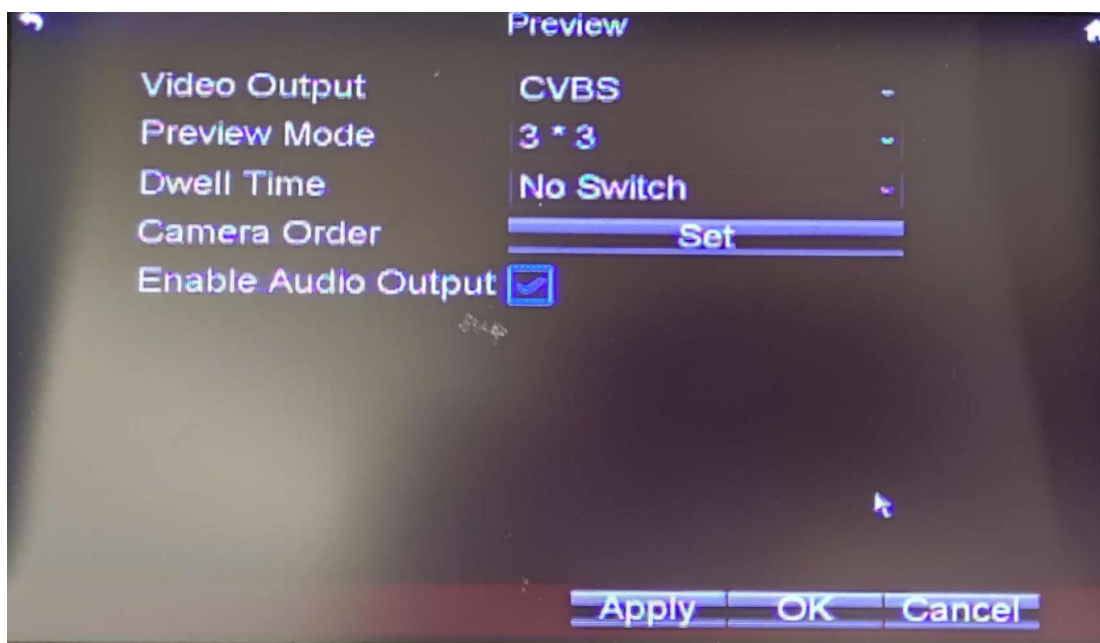


Figure 11-1 Preview Settings

Step 2 Select the **Video Output** according to the actual needs.

Step 3 Configure the Preview Mode, Dwell Time, Enable Audio Output.

- Preview Mode: Select the window division mode for live view.
- Dwell Time: The switch interval of the live view screen. The screen will be switched to the next one after the selected dwell time.
- Enable Audio Output: Enable/disable audio output for the selected video output.

Step 4 Click **OK**.

11.2 Set Camera Order

Purpose:

Set the live display order for cameras.

Step 1 Go to **Menu > Other Settings > Preview**.

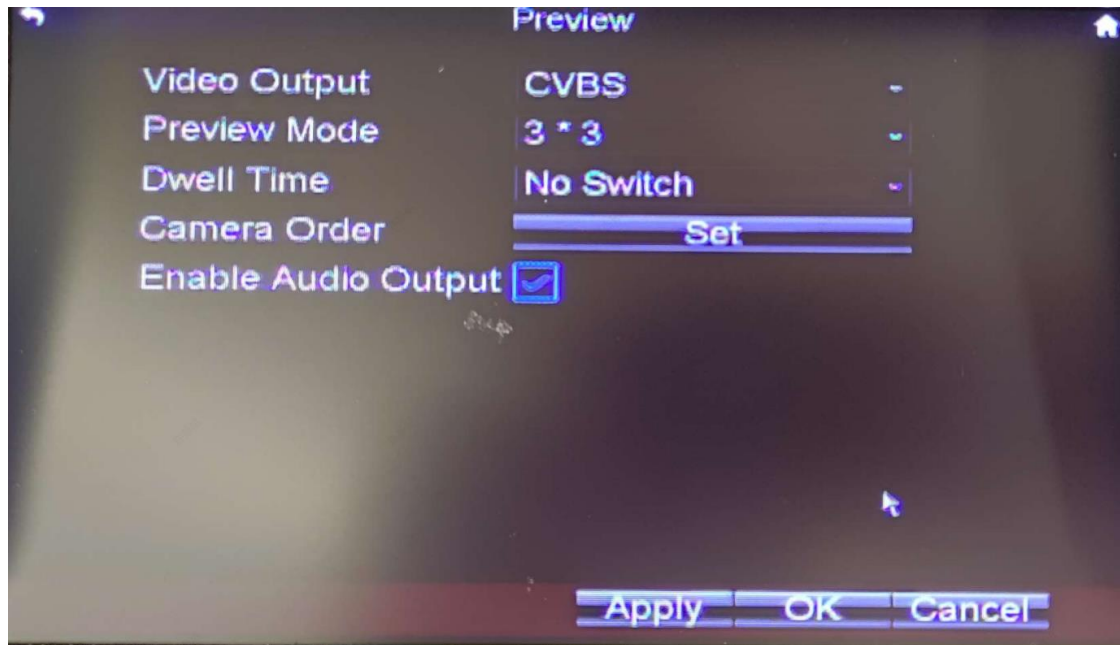


Figure 11-2 Preview Settings

Step 2 Click **Set** of Camera Order.

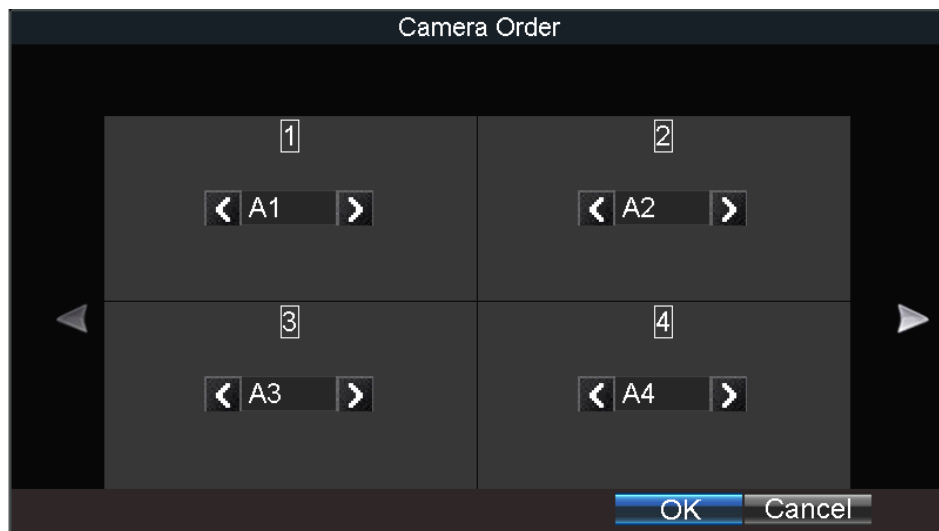


Figure 11-3 Camera Order

Step 3 Click **◀/▶** to switch camera.

Step 4 Click **OK**.

Step 5 Click **OK** in **Preview Settings** interface

11.3 Record

To record the videos of the connected cameras, you need to install a storage media and format it, and configure the recording schedule.

11.3.1 Format Storage Media

A newly installed storage media must be formatted before it can be used.

Before You Start

Install the storage media.

Steps

Step 1 Go to **Settings** → **Storage**.

Step 2 Check the storage media to format.

Step 3 Click **Format**.

After formatting, the storage media **Status** should be **Normal**.

Step 4 Click **OK**.

11.3.2 Configure Recording Schedule

All-day recording is on by default. Device will start and stop recording according to the configured recording schedule.

Before You Start

Install storage media and format it.

Connect cameras to the device.

Steps

Go to **Menu** → **Basic Settings** → **Record**.

Step 1 Select the camera to set recording schedule.

Step 2 Click **Set** of **Schedule**.

1. Check **Enable Schedule**. Select the week from the dropdown list of settings.
2. Uncheck **All Day** to customize the time period for recording.

Note

Up to 8 time periods can be set for each day and each of the time periods cannot be overlapped.

Step 3 Click **OK**.

11.4 Playback

You can search and play back the videos stored on the recorder.

Steps

Step 1 Enter the playback page by either:

- 3) Enter the live view page, right click to choose **Playback**.
- 4) Click **Video Search** on the **Menu** page.

Step 2 Select **Search Mode**.

General

Normal videos.

Event


Alarm Input, manual alarm, speeding alarm, G-Sensor Event.

Step 3 Select **Camera, Video Type, Start Time, and End Time**.

Step 4 Click **Search**.

Step 5 Select a video and click **Play**.

Click  to pause.

Click  to turn on the volume.

11.5 Backup

Backup of the videos stored on the recorder.

Before You Start

Connect a USB storage device to your recorder.

Steps

Step 1 Enter the playback page by either:

- 5) Enter the live view page, right click to choose **Playback**.
- 6) Click **Video Search** on the **Menu** page.

Step 2 Select **Search Mode**.

General

Normal videos.

Event

Alarm Input, manual alarm, speeding alarm, G-Sensor Event.

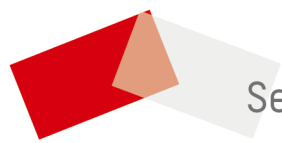
Step 3 Select **Camera, Video Type, Start Time, and End Time.**

Step 4 Click **Search.**

Step 5 Select the videos to be backed up and click **USB Backup.**

 **Note**

The number of USB interface varies with recorder models. If your recorder contains only one USB interface, you can back up videos via remote control or touchscreen.



See Far, Go Further