

Navijin

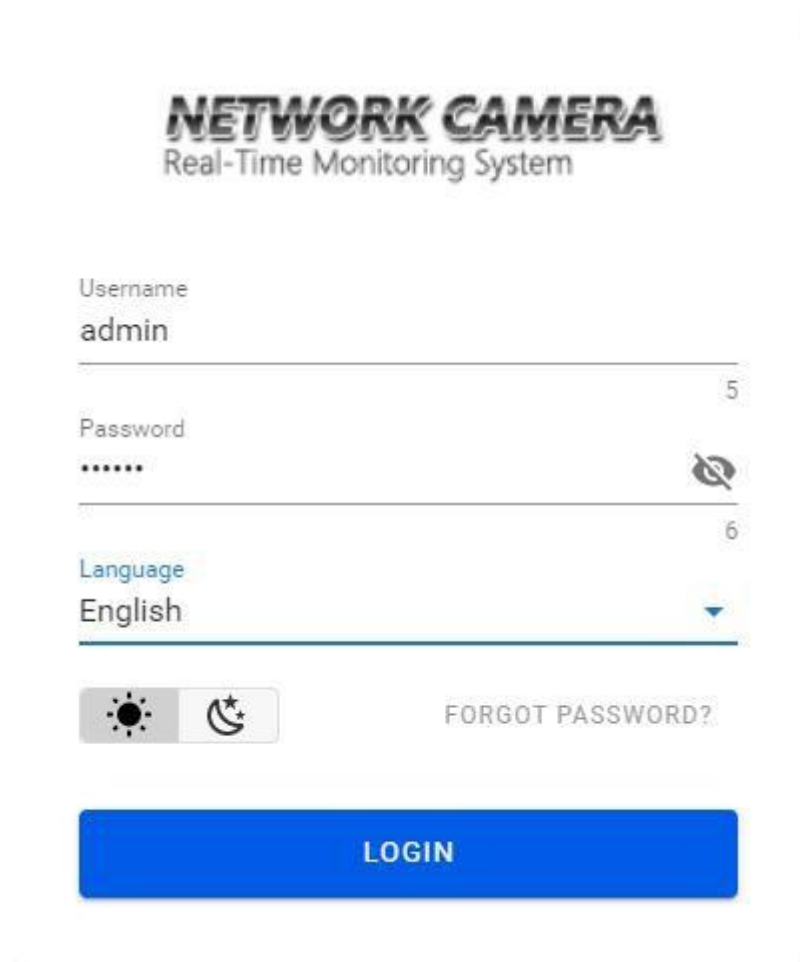
IP Camera User Manual

Contents

1. Login interface	2
2. Real-time Preview	3
2.1 Full screen preview	3
2.2 PTZ control.....	3
2.2 Stream type selection	4
2.3 Display intelligent detection	4
3. Playback	5
4. Parameter configuration.....	6
4.1 Device Information.....	6
4.2 Time Settings.....	7
4.3 Audio Settings	7
4.4 Voice output settings.....	8
4.5 Alarm lamp output.....	9
4.6 Display Settings	9
4.5 Encoding settings	10
4.6 Image Parameters.....	11
4.7 Motion Detection	12
4.8 Video Tampering	13
4.9 Privacy Zones.....	13
4.10 Human Detection.....	14
4.11 Video Plan	15
4.12 Network Settings	15
4.13 RTMP Settings.....	16
4.14 Management Platform.....	16
4.15 Multicast Config.....	17
4.16 EMAIL Settings	18
4.17 FTP Settings	19
4.18 Alarm Input.....	19
4.19 Alarm Output	20
4.20 User Settings.....	20
4.21 Storage Management.....	21
4.22 System Update.....	22
4.23 Device Maintenance.....	22
4.24 Developer.....	23
5. FILE Management.....	23
6. Logout	23

1. Login interface

Enter the IP address of the camera in Google or Firefox (the default IP address is 192.168.1.188) to enter the login interface, as shown below:



The screenshot shows the login interface for a Network Camera Real-Time Monitoring System. At the top, the text "NETWORK CAMERA" is displayed in a large, bold, italicized font, with "Real-Time Monitoring System" underneath it. Below this, there are three input fields: "Username" with the value "admin", "Password" with six dots and a toggle icon, and "Language" with a dropdown menu showing "English". To the right of the password field is a small number "5", and to the right of the language field is a small number "6". Below the input fields, there are two icons: a sun icon and a moon icon, and a link labeled "FORGOT PASSWORD?". At the bottom, there is a large blue button labeled "LOGIN".

Username: admin(default)

Password : 123456 (default)

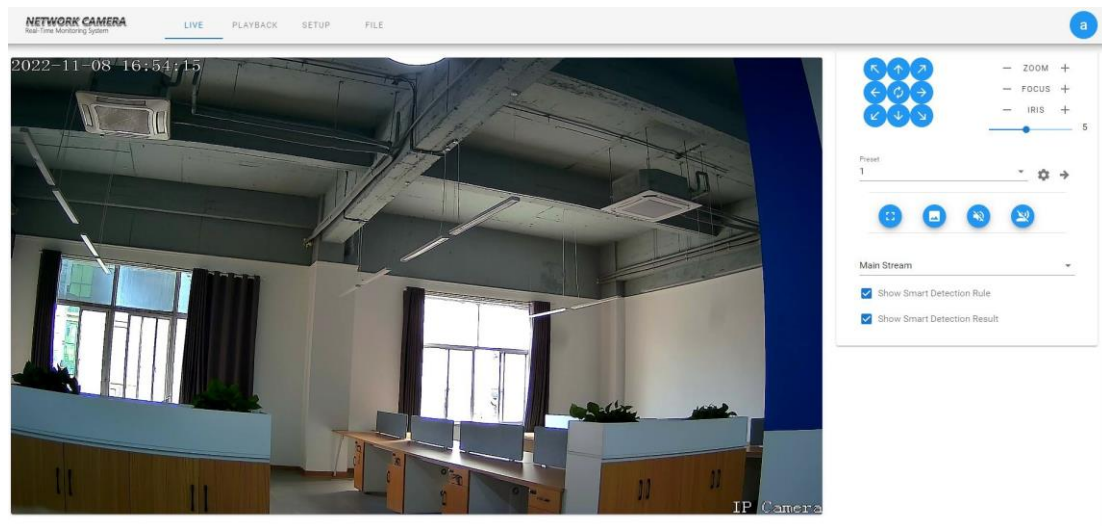
Language: Simplified Chinese, Traditional Chinese and English can be selected; Forgot password: click this button to reset the password according to the wizard;

Select the sun icon to use the white page, and select the moon icon to use the black page; Click [Login] to successfully log in to the camera.


2. Real-time Preview

After successful login, the interface is as follows:

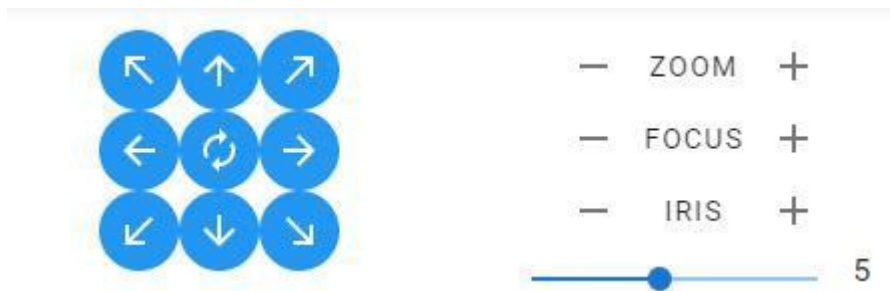
Note: The device needs to be inserted with a TF card as a full function display interface, otherwise, the device is a simple display interface.



2.1 Full screen preview

Click the full screen icon  to preview the full screen, and press ESC to exit the full screen

2.2 PTZ control



PTZ control: Eight direction keys can control the rotation of front-end equipment, and the middle is automatic rotation

Zoom: Adjustable zoom size


Focus: Adjustable focus size


Iris: Adjustable iris size

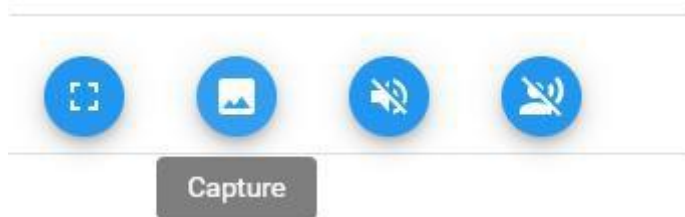
Speed: The slider can control the speed of the PTZ



【Preset point setting】 First, turn the camera to the desired position through the direction button controlled

by the PTZ, then select a preset number in the "preset point" drop-down list, and finally click the  setting button.

【Preset point call】 Select a preset number to be called from the "preset point" drop-down list, and then click the  call button.



【Capture】 Preview the snapshot, and click it to automatically pop up the snapshot saving path file

【Sound】 Turn on/off sound preview

【Talk】 Turn on/off voice intercom



2.2 Stream type selection

Select the current main stream preview or sub stream preview

2.3 Display intelligent detection





Display intelligent detection rules: select whether to display intelligent detection types


Display intelligent detection results: select whether to display the statistical results of intelligent detection


3. Playback





Click "Video Playback" to enter the playback interface, select the time to call the video, click search button  the video will be automatically retrieved;


play:  current playback;

stop:  current playback;

Slow:  w down playback speed (1/2, 1/4, 1/8, 1/16 times respectively);

Fast:  eed up playback (2, 4, 8, 16 times respectively);

Full:  een: the playback screen will be displayed in full screen;

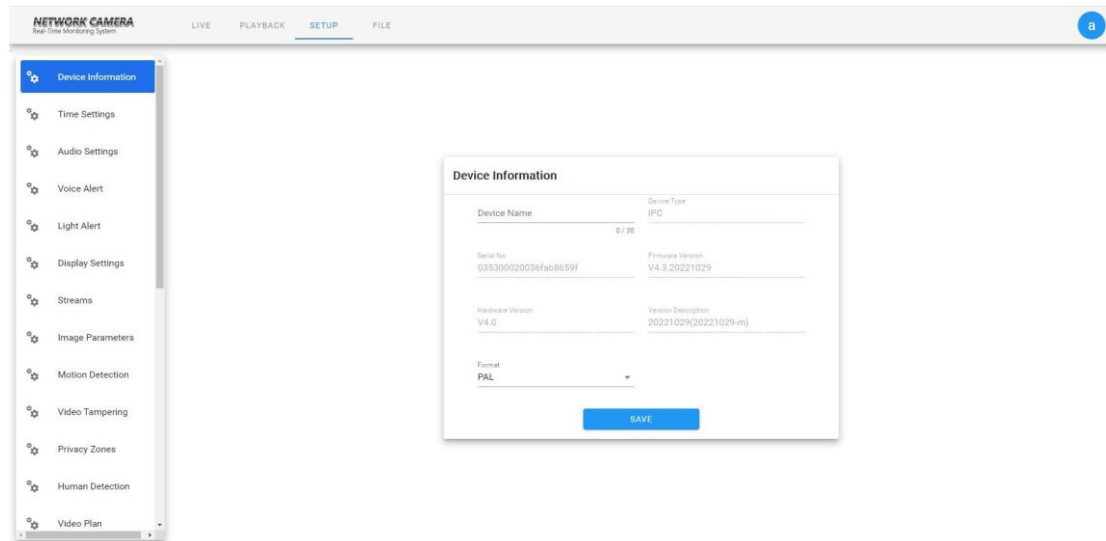
Sou:  The sound in the video can be turned on/off.

Double click the position of the search bar to play, or click the "Play" button to start playback.

(Note: This function requires the device to support TF card storage.)

4. Parameter configuration

Note: The device needs to be inserted with a SD card as a full function display interface, otherwise, the device is a simple display interface.



4.1 Device Information



- **Equipment Name:** the name of the equipment can be set.
- **Equipment Type:** displays the equipment type.
- **Serial Number:** displays the product serial number.
- **Master version:** displays the software program version date.
- **Hardware Version:** Displays the version number of the hardware motherboard.
- **System:** PAL and NTSC image system can be switched.

4.2 Time Settings

Time Settings

TIME SETTINGS NTP SETTINGS DST

Device Date: 2022-11-8

Device Time: 17:56:32

TimeZone: GMT+08:00 Beijing

MANUAL TIMING **SYNC WITH PC TIME**

- **Manual timing:** set IPC time manually;
- **synchronization with PC:** synchronize the current PC time;

4.3 Audio Settings

Audio Settings

Audio Source: Mic In

Input Volume: 50

Output Volume: 90









SAVE

- **Audio source:** select microphone or line in;
- **Input volume:** set the volume of audio input;
- **Output volume:** set the volume of audio output;

4.4 Voice output settings

Voice Alert

VOICE ALERT ARMING SCHEDULE

No.	Voice Content	Play Counts	Try
1	警戒区域, 请尽快离开	3 <input type="text"/>	
2	危险区域, 请勿靠近	3 <input type="text"/>	
3	高处危险, 请勿攀爬	3 <input type="text"/>	
4	您已进入监控区域	3 <input type="text"/>	
5	您好, 欢迎光临	3 <input type="text"/>	
6	贵重物品, 请勿触碰	3 <input type="text"/>	
7	私人领域, 禁止入内	3 <input type="text"/>	
8	水深危险, 注意安全	3 <input type="text"/>	

- **Voice alarm output:** you can set the playing times of 8 voice alarms and click to listen.
- **Arming Schedule:** the Arming Schedule of voice broadcast can be set.

4.5 Alarm lamp output

Light Alert

! please set the end time before the start time, because the start time cannot be greater than the end time!

Whole Week Mon

Start Time	End Time	Start Time	End Time
00:00	23:59	00:00	00:00
Start Time	End Time	Start Time	End Time
00:00	00:00	00:00	00:00
Start Time	End Time	Start Time	End Time
00:00	00:00	00:00	00:00
Start Time	End Time	Start Time	End Time
00:00	00:00	00:00	00:00

SAVE

You can set the defense time of alarm lamp output, and click the [Save] button after setting to take effect.

4.6 Display Settings

Display Settings

2022-11-08 19:14:23

< OSD FONT TIME OSD TITLE C >

Main Stream OSD Sub Stream OSD

48pt 24pt

OSD Color:

SAVE

- **OSD font:** the OSD font size of the interface can be adjusted.
- **Time OSD:** Time OSD format and position can be adjusted.

- **Title OSD:** adjust the content, format and location of the title OSD.
- **Multiline OSD:** add multiline user-defined OSD character content and position, and you can select whether to display it.
- **Hue:** brightness/contrast/saturation/hue can be adjusted.

4.5 Encoding settings

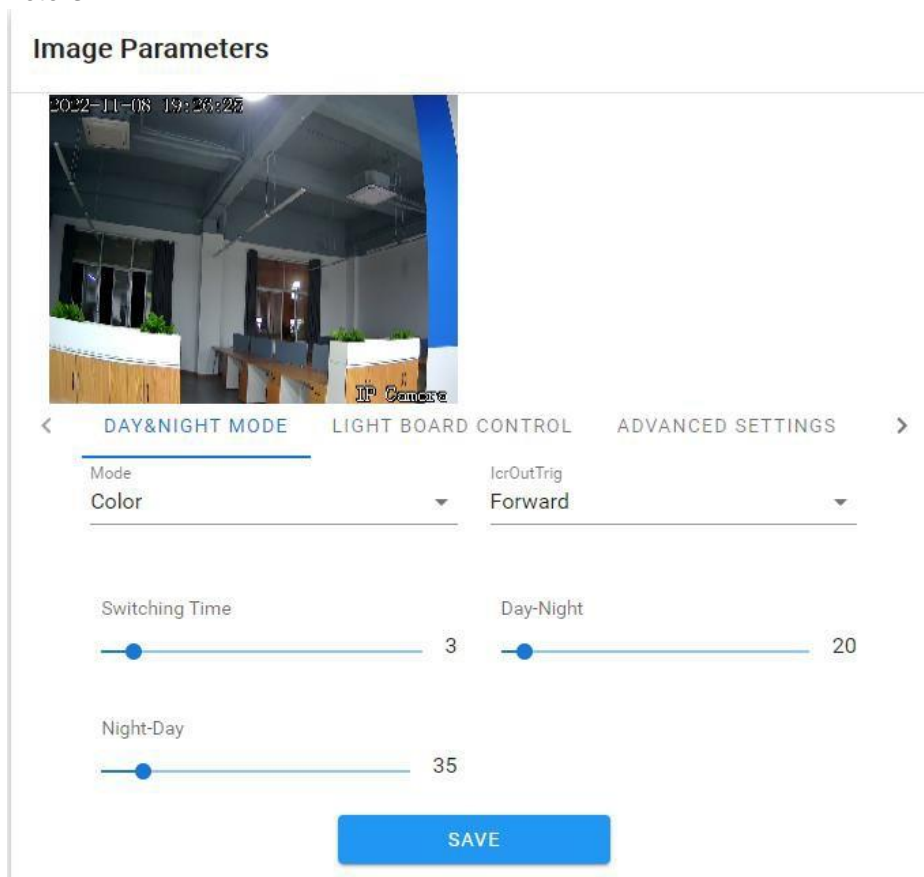
Streams

Stream Type Main Stream	Video Type Video
Resolution 2592*1904	Frame Rate Full Frame
Video Encode H264	Encode level HighProfile
I Frame Interval 40	Bitrate Type Variable
Bitrate 4 Mbps	Quality Higher

SAVE

- **Stream compression type:** the main stream and sub stream coding types can be selected;
- **Code stream type:** including composite stream and video stream;
- **Resolution:** The front-end IPC supports several resolutions, and the corresponding ones will be displayed here;
- **Video frame rate:** different values can be selected from the drop-down list. The default value is Full Frame Rate;
- **Code type:** including H264/H265;
- **Code Level:** you can select a code level, including Baseline, MainProfile, and HighProfile;
- **I frame interval:** I frame interval can be set;
- **Bit rate type:** including fixed rate and variable rate;
- **Bit rate:** different bit rates can be set for different channels;
- **Image quality:** six types can be selected: best/sub good/good/average/poor/worst.

4.6 Image Parameters



- **Day night switch:** divided into external trigger, automatic, color, black and white. The day and night switching mode of non infrared network model is automatic by default, and the day and night mode of infrared network model is external trigger by default. The user selects the day and night switching mode according to the network machine model and the actual use scenario;

Color mode: divided into three types: standard, gorgeous and natural; The color mode defaults to standard;

IRCUT trigger: it is divided into forward/reverse, which is related to the actual IRCUT hardware; Switching time: the day night switching delay value (0-30) is 3 seconds by default;

Day night switching threshold: the default value is 20, and the threshold range is 0-255. The value can be adjusted according to customer needs;

Night day switching threshold: the default value is 35, and the threshold range is 0-255. The value can be adjusted according to customer needs;

- **Fill light setting:** light mode, switching mode and light brightness can be set;
- **Advanced settings:** you can set image mode, wide dynamic mode, 3D time domain, sharpness, defogging function, night frame reduction, and white balance;
- **Exposure control:** backlight mode, exposure allocation strategy, gain control, shutter and infrared light receiving can be set;
- **GAMMA:** GAMMA value and power frequency can be set.


4.7 Motion Detection

Motion Detection

SETUP ARMING SCHEDULE LINKAGE SETTING

Enable Sensitivity 6

Area settings:



- **Parameter setting:** you can set whether to enable the detection function, set the detection sensitivity, and set the detection area;
- **Deployment Time:** you can set the deployment time from Monday to Sunday;
- **Linkage setting:** you can set the linkage to upload email, video, FTP, alarm light, alarm output, capture, and voice broadcast.


4.8 Video Tampering

Video Tampering

SETUP ARMING SCHEDULE LINKAGE SETTING

Enable Sensitivity

Area settings:



2022-11-08 19:35:46

CLEAR

SAVE


- **Parameter configuration:** you can set whether to enable the detection function, set the detection sensitivity, and set the detection area;
- **Deployment Time:** you can set the deployment time from Monday to Sunday;
- **Linkage setting:** you can set the linkage to upload email, video, FTP, alarm light, alarm output, capture, and voice broadcast;

4.9 Privacy Zones

Privacy Zones

Enable

Area settings:



2022-11-08 19:39:52

CLEAR

SAVE

- **Enable:** privacy masking can be enabled or disabled.
- **Setting area:** In the preview interface of Setting Area, press and hold the left mouse button and drag to select the area to be masked.
- **Clear:** click "Clear" to clear the area specified by IPC.

4.10 Human Detection


Human Detection

SETUP
ARMING SCHEDULE
LINKAGE SETTING

Enable

Rect On Video

Minimum Pixel
47



Area Type
Detecting Area

CLEAR

SAVE

- **Parameter setting:** you can set whether to enable the human shape detection function; The minimum human shape pixel size can be set to be the minimum human shape pixel size detected; The video stream can be superposed to the human frame; Detection area and shielding area can be set;
- **deployment Time:** You can set the deployment time from Monday to Sunday;
- **Linkage area:** linkage upload email, video, FTP, alarm light, alarm output, capture and voice broadcast can be set.

4.11 Video Plan

Video Plan

SETUP ARMING SCHEDULE

Video Mode
Time recording+Alarm recording

Pre Record
No PreRecorded

Post Record
1min

SAVE

- **Parameter configuration:** video recording mode, pre recording time and video recording delay can be set;
- **Deployment Time:** you can set the deployment time from Monday to Sunday;

4.12 Network Settings

Network Settings

BASE CONFIG HTTP/HTTPS RTSP SETTING

Static IP DHCP

IP Address: 192.168.0.77 Subnet Mask: 255.255.0.0

Gateway: 192.168.0.1 DNS 1: 8.8.8.8

DNS 2: 8.8.4.4 MAC: 00:36:FA:B8:65:9F

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- **Basic setting:** static IP or DHCP mode can be set;

- **HTTP/HTTPS:** You can set HTTP or HTTPS access on or off and port number;
- **RTSP setting:** RTSP on/off, port number, and base64 or Digest authentication mode can be set;

4.13 RTMP Settings

RTMP Settings

BASE CONFIG RTMP PUSH NOT DISTURB TIME NOT DISTURB CONFIG

Enable

Port
1935

SAVE

- **Basic settings:** set whether RTMP is enabled or not and the port number;
- **RTMP Push:** set whether to display the set rules and detection results in the preview interface;
- **No Disturb Time:** set the no push time period in weeks;
- **No Disturbance Setting:** set the no push client;

4.14 Management Platform

Management Platform

Protocol
GB28181 Enable

< DEVICE PARAMETERS
SIP SERVER 1
SIP SERVER 2
MULTICAST C...
>

Online status: Offline

Device NO. <input style="width: 90%;" type="text"/>	Stream Type Main Stream ▼
Local Port 0 ✕	Expires 0 Second(s) ✕
Keepalive 0 Second(s) ✕	KeepaliveCnt 0 ✕
Signal Transfer Mode UDP ▼	Stream Transfer Mode Auto ▼

SAVE

- **Equipment parameters:** set GB28181 related parameters, including equipment number, code stream type, local port, registration validity period, heartbeat cycle, maximum heartbeat timeout, signaling transmission mode, and stream transmission mode;
- **SIP server 1:** Set the SIP 1 server number, IP, domain, port, and registration password;
- **SIP server 2:** Set the SIP 2 server number, IP, domain, port, and registration password;
- **Multicast settings:** set multicast ports and multicast addresses;
- **Channel/alarm:** set channel number, alarm level, alarm number and alarm level;

4.15 Multicast Config

Multicast Config

Enable Multicast

Stream
Main Stream

Video ^

IP Address
238.255.0.2

Port
28080

TTL
255

Audio ^

IP Address
238.255.0.5

Port
28080

TTL
255

SAVE

Multicast is disabled by default. After enabling, you can set the IP address, port, and TTL of the multicast main code stream, sub code stream, and audio.

4.16 EMAIL Settings

EMAIL Settings

Sender's Address	Password
SMTP Server	SMTP Port 0
<input type="checkbox"/> SSL	<input type="checkbox"/> Spoof Check
Receiver's Address	Receiver's Address
Receiver's Address	

SAVE

- **Sending Email:** fill in the email address of the sending box.
- **Password:** fill in the email password of the outbox.
- **confirm Password:** Confirm the email password.
- **SMTP Server:** Set the smtp server address of the outgoing mailbox.
- **SMTP Port:** Set the smtp server port of the outgoing mailbox.
- **Receiving mailbox:** fill in the address of the receiving mailbox.

4.17 FTP Settings

FTP Settings

BASE CONFIG
TIME SNAP

Port

Link Mode

- **Basic settings:** fill in the server address, port number, user name, password, linkage mode and file path to upload;
- **Timing capture:** timing capture interval, code stream type and deployment time can be set;

4.18 Alarm Input

Alarm Input

SETUP
ARMING SCHEDULE
LINKAGE SETTING

Handle

Alarm Input

Alarm In Name

Trigger

8 / 20

- **Parameter configuration:** select whether to open alarm input, alarm input terminal, name and trigger level;

- **Deployment Time:** You can set the deployment time period from Monday to Sunday;
- **Linkage setting:** you can set the linkage to upload email, video, FTP, alarm light, alarm output, capture, and voice broadcast;

4.19 Alarm Output

Alarm Output

Alarm Output
1

Output Relay Status
Normally Open

Output Delay
5s

[SAVE](#)

- **Alarm output:** set alarm output terminal;
- **Output relay status:** it can be set to normally open and normally closed.
- **Output alarm delay:** select the delay time of the output alarm (when the alarm triggering ends, the corresponding time of the alarm output delay)

4.20 User Settings

User Settings

Username	User Type	Operation
admin	Admin	MODIFY
guest	Guest	MODIFY DEL PERMISSION

[ADD USER](#)

- **Modify:** login password can be changed for administrator account; Ordinary users can change the user type, set two types: ordinary users and operators, and set different permission assignments in Permission;
- **Delete:** delete the new user;
- **Permission:** you can assign permissions to ordinary users;

- **Add new users:** users can be added as required;

The permissions of the guest user (default) are shown in the following figure:

User Settings

<input type="checkbox"/> Remote PTZ	<input checked="" type="checkbox"/> Remote Playback
<input type="checkbox"/> Remote Parameter Settings	<input checked="" type="checkbox"/> Remote Log Query
<input type="checkbox"/> Remote Upgrade and Format	<input type="checkbox"/> Voice Talking
<input checked="" type="checkbox"/> Remote Preview	<input checked="" type="checkbox"/> Remote Reboot

4.21 Storage Management

Storage Management

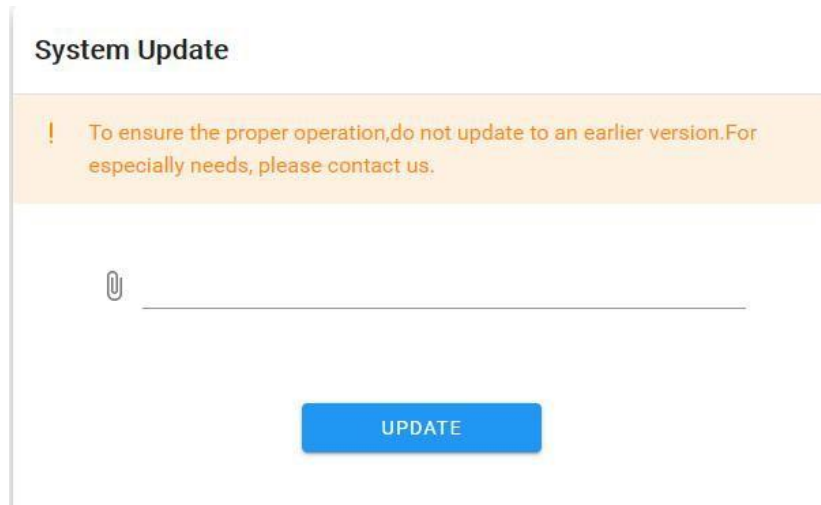
Record Status: SD card is recording !

99%

Free Space:255MB / Capacity:25748MB

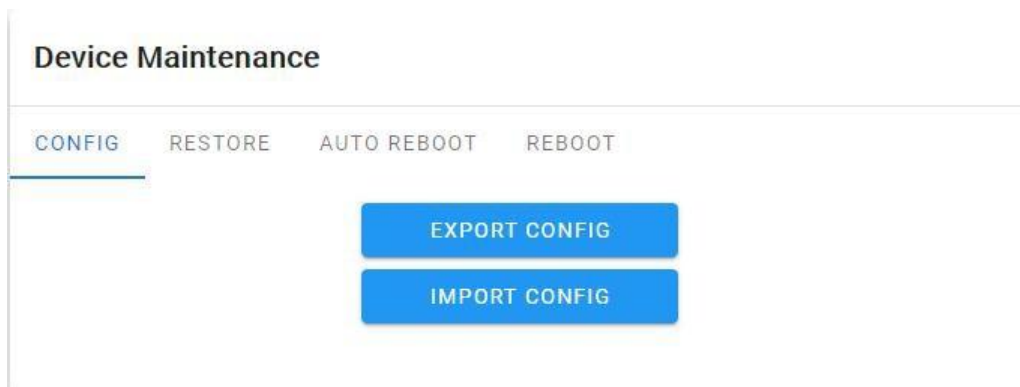
The current recording status can be displayed, the used capacity, remaining capacity and total capacity of SD card can be formatted;

4.22 System Update



Select the correct upgrade package file and click Upgrade to upgrade the camera;

4.23 Device Maintenance



- **Configuration:** current configuration can be exported and user configuration can be imported;
- **Restore default:** simple restore or full restore is available;
- **Automatic maintenance:** automatic maintenance time can be set;
- **Restart:** restart the camera immediately;

4.24 Developer

Developer

Enable Telnet

Port
23

Password

[SAVE](#)

5. FILE Management

The screenshot displays the 'FILE' management section of a 'NETWORK CAMERA' interface. The top navigation bar includes 'LIVE', 'PLAYBACK', 'SETUP', and 'FILE'. A blue circular icon with the letter 'a' is in the top right corner. The main area is titled 'SD Card LinkCapture' and features a search filter with a date range of '2022-11-08 ~ 2022-11-08' and a 'Page No.' dropdown set to '10'. A 'SEARCH' button is located below the filter. The search results are presented as a grid of 10 thumbnail images, each with a filename below it, such as '20221108/20221108-103925_30_0_0.jpeg'. At the bottom, there is a pagination control with a 'Jump To' dropdown and a status bar indicating 'Total 74 Records Current Page 1'.

Select the time and click the search button to retrieve the SD card linkage snapshot;


6. Logout

Click the blue letter "a" in the upper right corner to log out, as shown in the figure

NETWORK CAMERA
Real Time Monitoring System

LIVE PLAYBACK SETUP FILE

2022-11-08 20:37:17



admin
— ZOC
— FOC
— IRI
Alarm Info
Logout

Zoom controls: Home, Previous, Stop, Next, Full Screen, Refresh, Close

Priset 1

Main Stream

- Show Smart Detection Rule
- Show Smart Detection Result