



XT-M8CAM

4K 8MP IP Bullet Camera

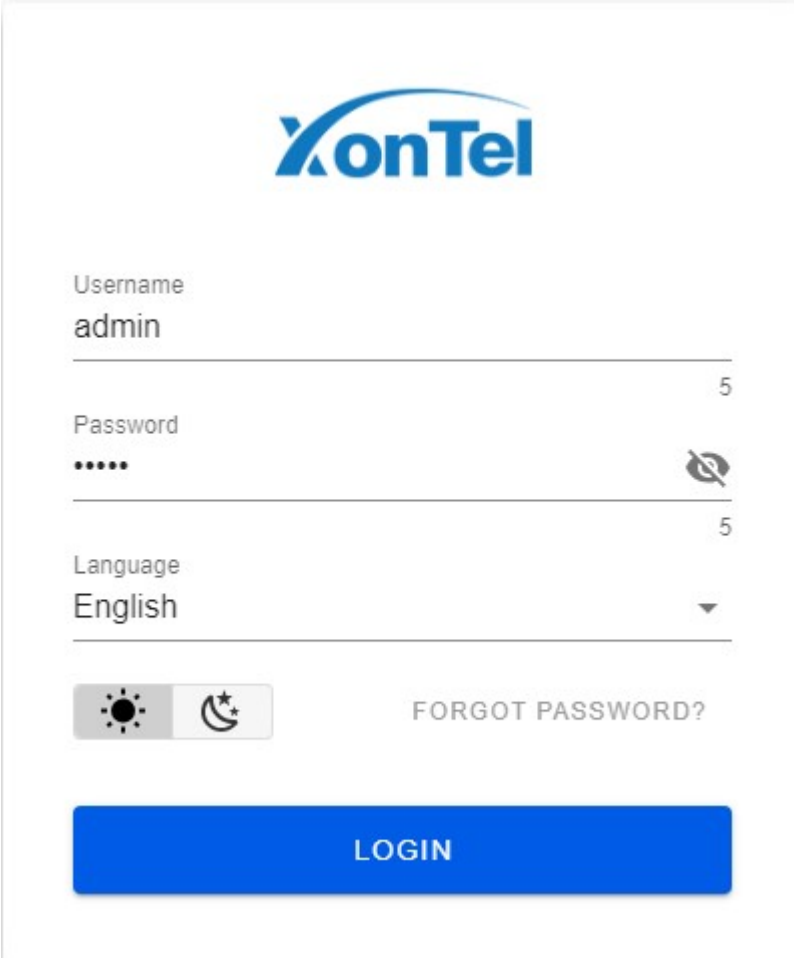
User Manual

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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 XonTel login interface. At the top center is the XonTel logo. Below the logo are three input fields. The first is labeled 'Username' and contains the text 'admin'. The second is labeled 'Password' and contains five dots, with a small icon to its right that can toggle visibility. The third is labeled 'Language' and contains the text 'English'. Below these fields are two icons: a sun icon and a moon icon. To the right of these icons is a link that says 'FORGOT PASSWORD?'. At the bottom center is a large blue button with the text 'LOGIN' in white capital letters.

Username: **admin**

Password: **admin**

Language Simplified Chinese, Traditional Chinese and English can be selected.

Forgot password: click this button to reset the password according to the wizard.

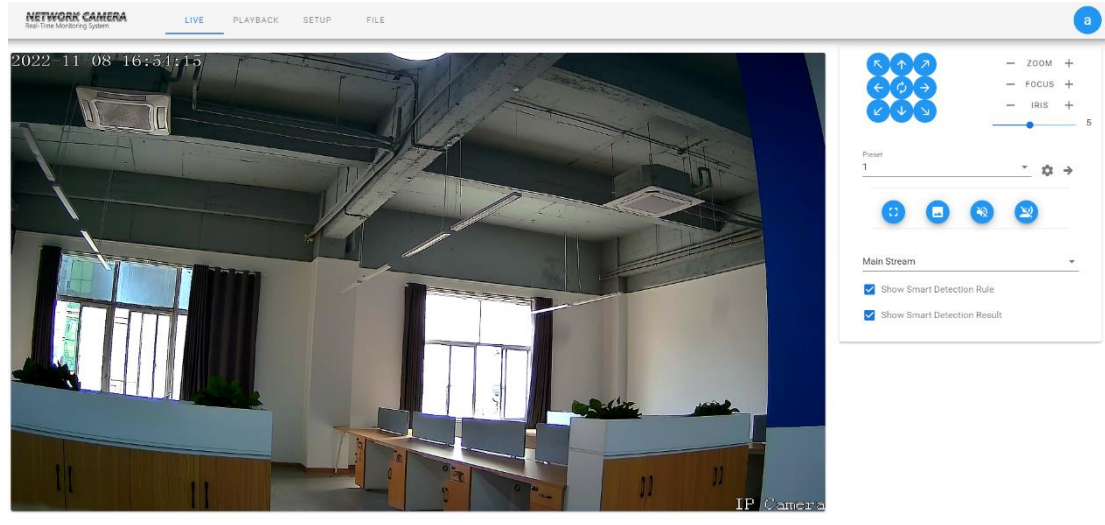
Select the sun icon to use the white page, and select the moon icon to use the black page;

Click [Login] to successfully log in to the camera.


Real-time Preview

After successful login, the interface is as follows:

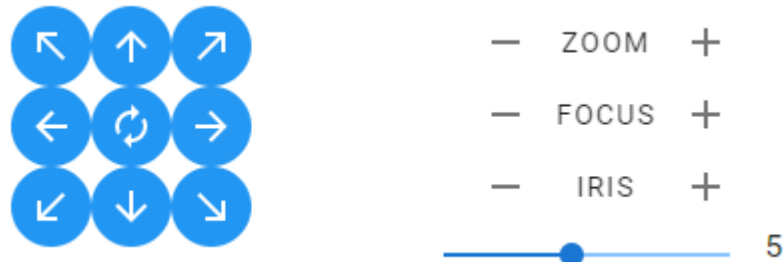
Note: The device needs to be inserted with a TF card as a full function display interface, otherwise, the device is a simple display interface.



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

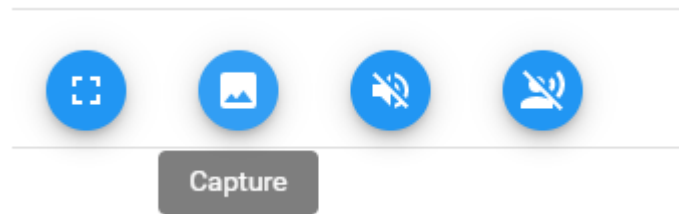
Iris : Adjustable iris size

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

Main Stream 

2.2 Stream type selection

Select the current main stream preview or sub stream preview

2.3 Display intelligent detection

Show Smart Detection Rule

Show Smart Detection Result

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

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: Start current playback;

stop: Stop current playback;

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

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

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

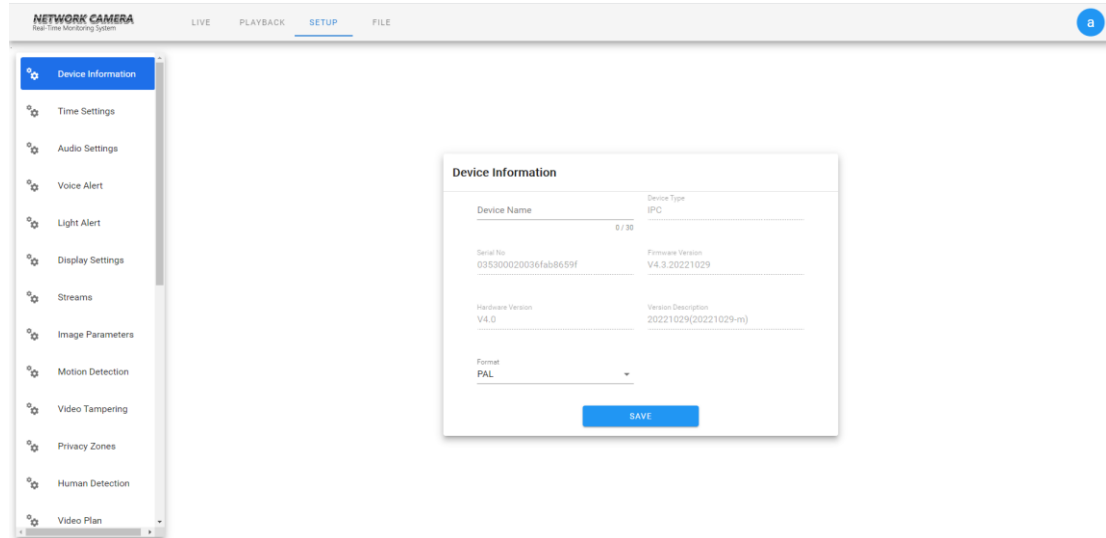
Sound : The sound in the video can be turned on/off.

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.)

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

Device Information

| | |
|---|---|
| Device Name XT-M8CAM ✕ <small>8 / 30</small> | Device Type IPC |
| Serial No 03800002004eb219513e | Firmware Version V4.3.1.20230802 |
| Hardware Version V4.0-AF | Version Description 20230802(20221227-m) |
| Format PAL 25Fps ▼ | |

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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 ▼ | |
| 2 | 危险区域, 请勿靠近 | 3 ▼ | |
| 3 | 高处危险, 请勿攀爬 | 3 ▼ | |
| 4 | 您已进入监控区域 | 3 ▼ | |
| 5 | 您好, 欢迎光临 | 3 ▼ | |
| 6 | 贵重物品, 请勿触碰 | 3 ▼ | |
| 7 | 私人领域, 禁止入内 | 3 ▼ | |
| 8 | 水深危险, 注意安全 | 3 ▼ | |

SAVE

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 🕒 00:00 | — | End Time 🕒 23:59 | Start Time 🕒 00:00 | — | End Time 🕒 00:00 |
| Start Time 🕒 00:00 | — | End Time 🕒 00:00 | Start Time 🕒 00:00 | — | End Time 🕒 00:00 |
| Start Time 🕒 00:00 | — | End Time 🕒 00:00 | Start Time 🕒 00:00 | — | End Time 🕒 00:00 |
| Start Time 🕒 00:00 | — | End Time 🕒 00:00 | Start Time 🕒 00:00 | — | End Time 🕒 00:00 |

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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



< OSD FONT
TIME OSD
TITLE C >

Main Stream OSD
48pt ▼

Sub Stream OSD
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 | ▼ |

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

Image Parameters



< DAY&NIGHT MODE
LIGHT BOARD CONTROL
ADVANCED SETTINGS >

Mode
Color

IcrOutTrig
Forward

Switching Time
3

Day-Night
20

Night-Day
35

SAVE

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

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 ● ————— 1

Area settings:



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:



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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



2022-11-08 19:42:26

IP Camera

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

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.

Local Port

Keepalive

Signal Transfer Mode
UDP

Stream Type
Main Stream

Expires

KeepaliveCnt

Stream Transfer Mode
Auto

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

| | |
|---------------------|------------|
| Server Address | Port 21 |
| Username | Password |
| Link Mode Active | Path |

SAVE

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 In Name
AlarmIn0

Alarm Input
1

Trigger
Normally Open

8 / 20

[SAVE](#)

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 |

[SAVE](#)
[BACK](#)

4.21 Storage Management

Storage Management

Record Status: SD card is recording !

99%

Free Space:255MB / Capacity:25748MB

FORMAT

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

System Update

! To ensure the proper operation, do not update to an earlier version. For especially needs, please contact us.

📎 _____

UPDATE

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

4.23 Device Maintenance

Device Maintenance

[CONFIG](#) [RESTORE](#) [AUTO REBOOT](#) [REBOOT](#)

[EXPORT CONFIG](#)

[IMPORT CONFIG](#)

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

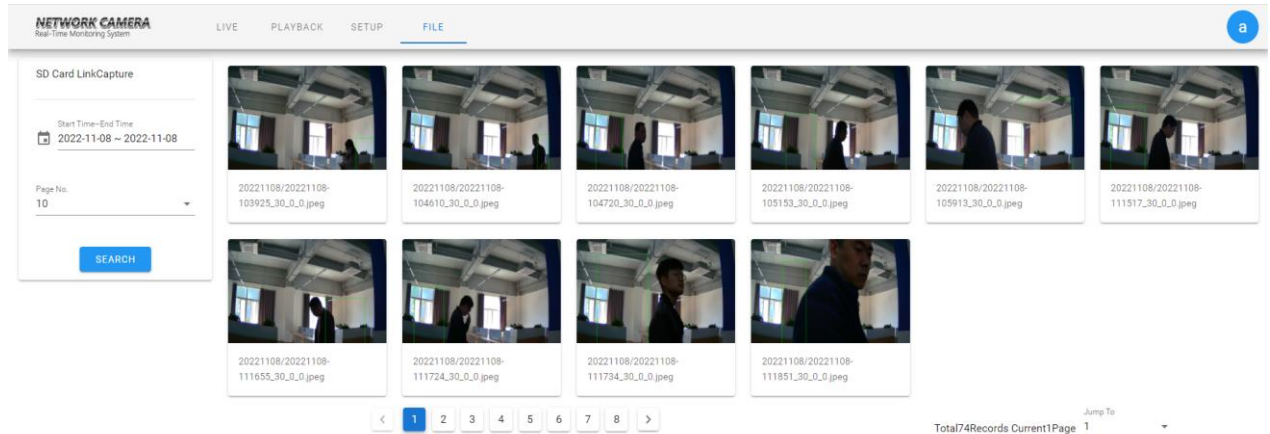
Enable Telnet

Port
23

Password

[SAVE](#)

5.FILE Management



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

