

Before you read: We have tried our best to ensure the completeness and accuracy of the manual content, but there are also technical inaccuracies, inconsistencies with product functions and operations, or printing errors. The product and manual will be updated in real time without further notice.

The content of this manual is only for users' reference and guidance. It is not guaranteed to be completely consistent with the actual product. Please refer to the actual product.

The parts, components, and accessories mentioned in this manual are for illustration purposes only, and do not represent the configuration of the purchased model. For detailed configuration, please refer to the packing list.

This manual is a guide for basic functions.

Precautions for safe use :

The purpose of this content is to ensure that the user uses the product correctly to avoid danger or property damage. Before using this product, please read this instruction manual carefully and keep it for future reference.

As shown below, the precautionary measures are divided into two parts: "Warning" and "Caution":

WARNING: Ignoring the warnings can result in death or serious injury.

Caution: Ignoring the precautions can cause injury or property damage.

Symbol	Description
Warning	Indicates a severe or low potential hazard that, if not avoided, could result in minor or moderate injury.
Caution	Indicates a potential risk, which if ignored could result in equipment damage, data loss, degraded device performance, or unpredictable results.
Description	Representation is an additional message to the text, which is an emphasis and supplement to the text.

Warning:

When installing and using this product, you must strictly abide by various national and regional electrical safety regulations.

Use a power adapter provided by a regular manufacturer ◦

Please disconnect the power when wiring, disassembling, etc. Do not operate with power on.

If the equipment does not work properly, please contact the store where you purchased the equipment or the nearest service center. Do not disassemble or modify the equipment in any way.

Caution:

Do not drop objects on the device or shake the device vigorously, and keep the device away from locations subject to magnetic interference. Avoid installing the device in a place subject to vibration or impact. (Ignoring this may damage the device)

Do not install the equipment in high temperature (over 60 °C) or low temperature (less

than -30°C) or high humidity locations

Provide a good ventilation environment

Do not operate in a humid environment.

Do not operate in explosive environments.

Keep the product surface clean and dry.

Avoid touching exposed circuits. When the product is powered on, do not touch exposed contacts and parts.

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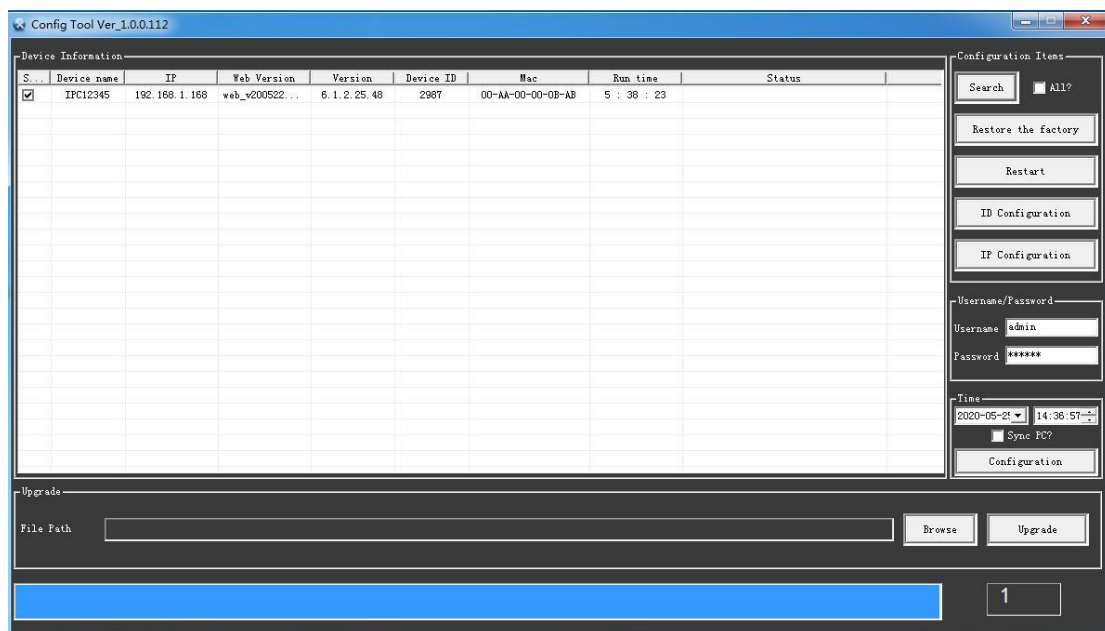
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Chapter 1 Network connection topology diagram

Connect the access control and computer
Camera-Network Cable-Computer

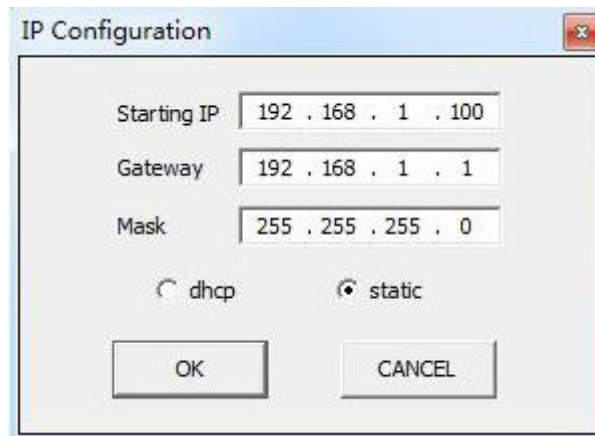
Before accessing the access control machine through the network, you first need to obtain its IP address, the default IP address is 192.168.1.100. You can also use "DevConfig" to search for the access control machine.

Run DevConfig, click "Search", the software will automatically display the device name, IP, page version, version, device ID, physical address, operating time and upgrade / configuration status of the access control machine currently running in the local area network



If the searched IP address and the computer are not on the same network segment, you can use the IP configuration button to modify the camera's IP address, subnet mask, and default gateway parameters.

Check the device to be modified in DevConfig and click IP settings



After entering, click OK

Caution: The access control factory default IP: 192.168.1.100 Default username: admin Default password: 123456

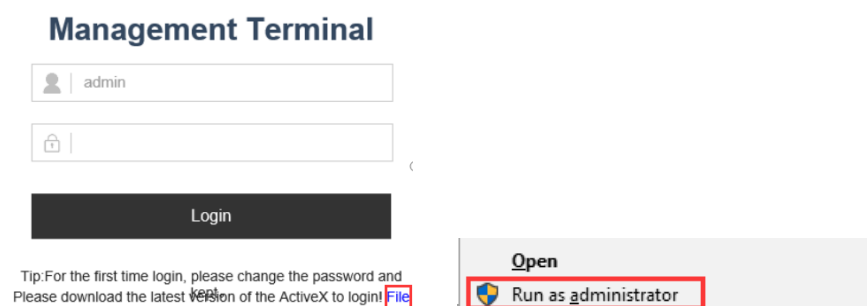
Chapter 2 Network access and parameter configuration

Caution: Before accessing the device, please note whether the access control is in the same network environment as the computer

2.1 Access via browser

Step 1: Install the plugin

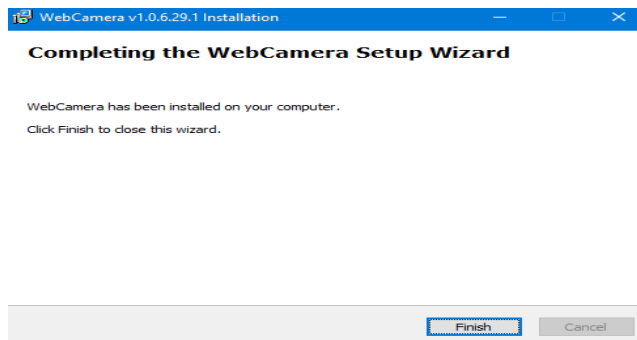
Enter the IP address of the access control machine in the browser address, and then press Enter. After entering the background interface of the access control machine, click "Download Address", as shown in Figure 2.1.1. After clicking, the prompt "Install WebCamera.exe" appears. Run / save for installation, as shown in Figure 2.1.2.



2.1.1

Click File to download and install the Active-X plugin run as administrator when the

first login.



2.1.2

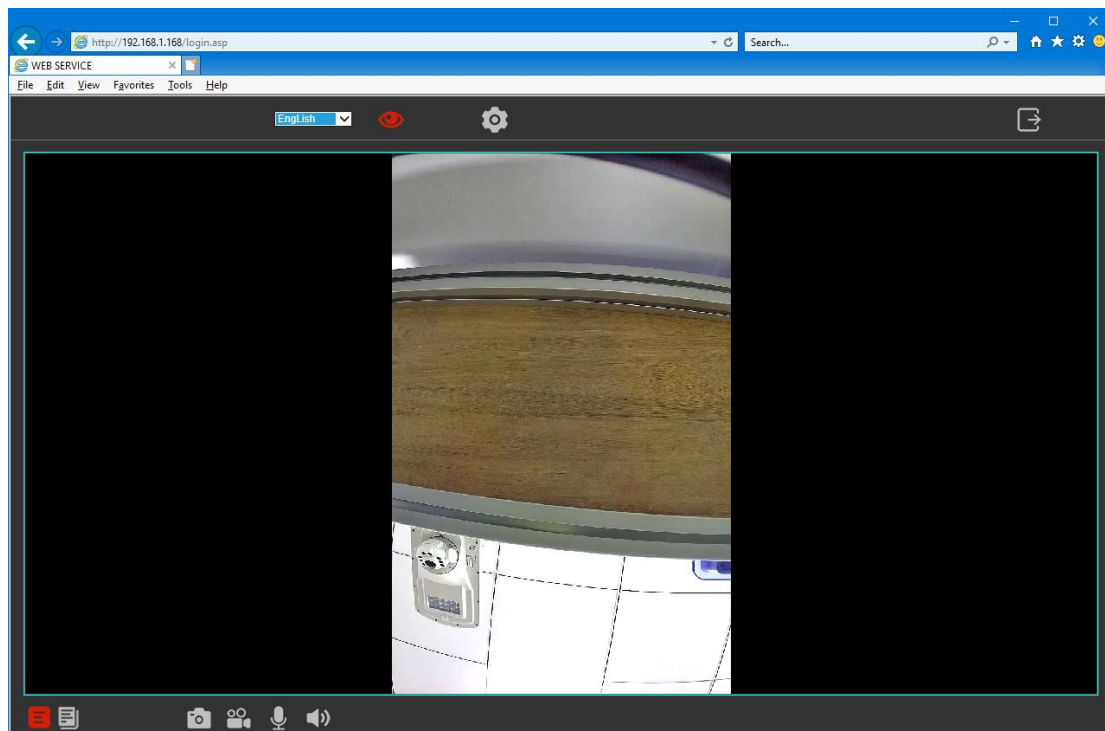
Step 2: Login and set up preview

Preview image

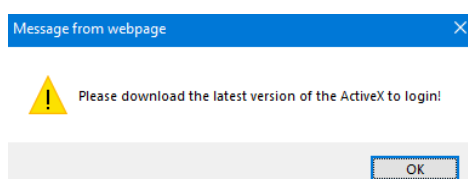
In the login interface, as shown in Figure 2.1.3, enter the user name (default: admin), password (default: 123456) of the access control machine, and then click [Login] to preview the image, as shown in Figure 2.1.4

Click File to download and install the Active-X plugin run as administrator when the first login.

2.1.3



2.1.4



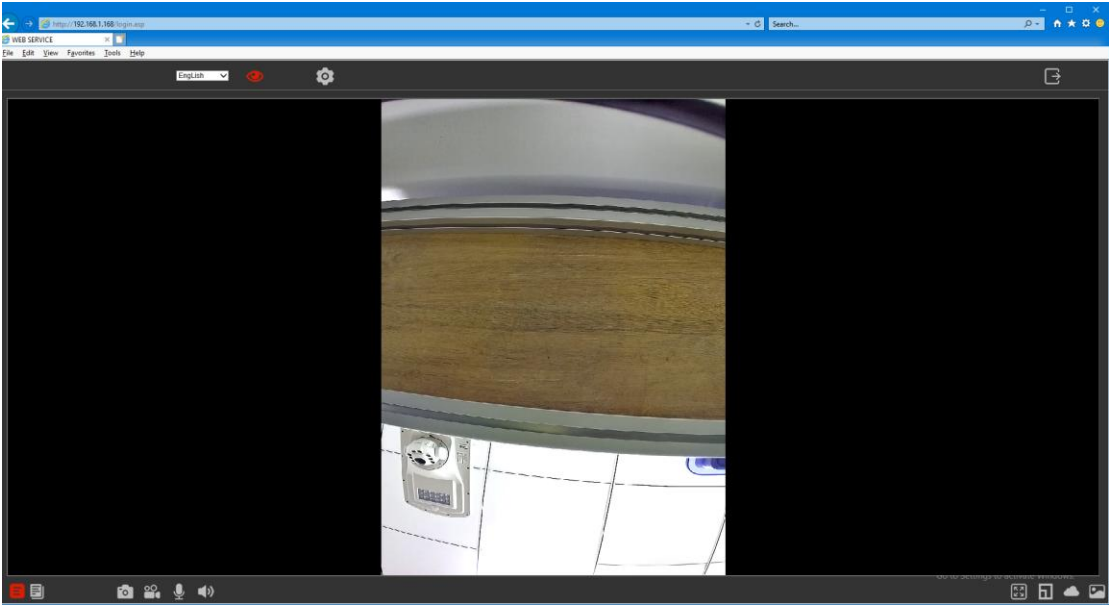
If you cannot log in, please allow "WebCamera.exe" to run, as shown in Figure 2.1.5









2.1.5

Chapter 3 system

Click [Setting] as shown in Figure 3.0.1 to enter the setting interface



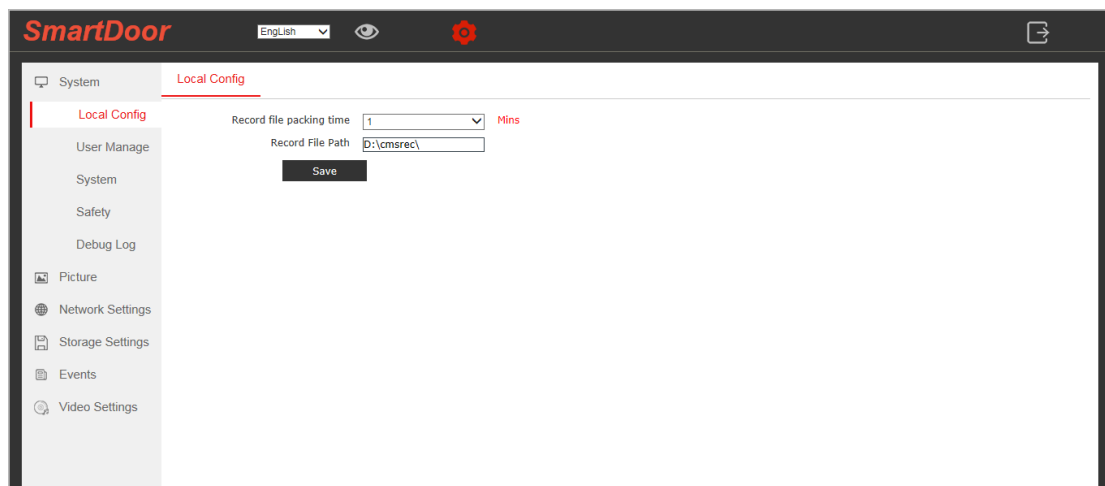
Icon	Description
	Snap picture
	Start or stop recording
	Start or stop intercom
	Start or stop listening
	Preview screen full screen display
	Switch preview screen width and height

3.0.1

3.1 Local config

"Local Config" (Figure 3.1.1) can change the length of each video and the file storage path

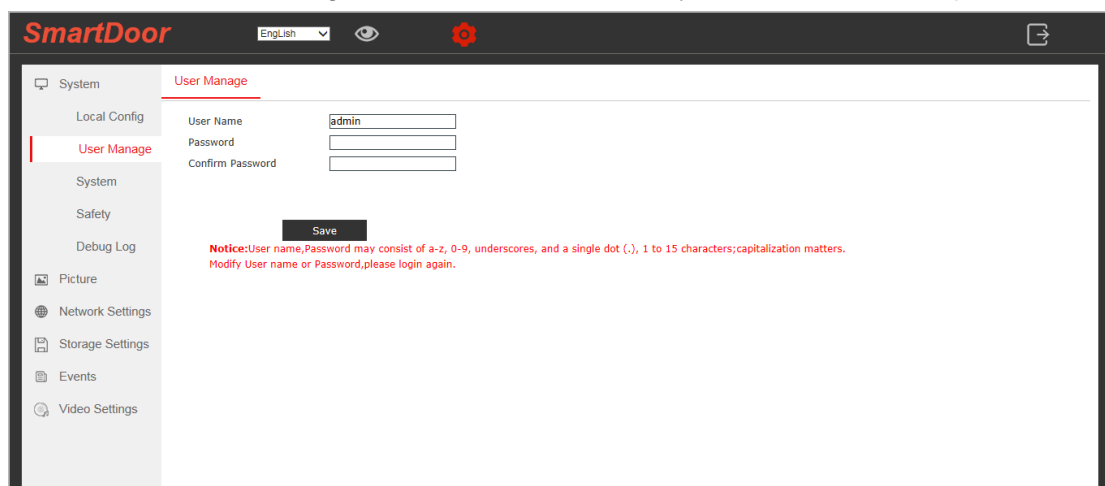
The length of each video is selectable: 1, 5, 10, 15, 20, 25, 30, 60 (minutes)



3.1.1

3.2 User management

Click "System"->"User Management" (Figure 3.2.1) to enter the user management interface, the user management interface can modify the user name and password



3.2.1

3.3 System

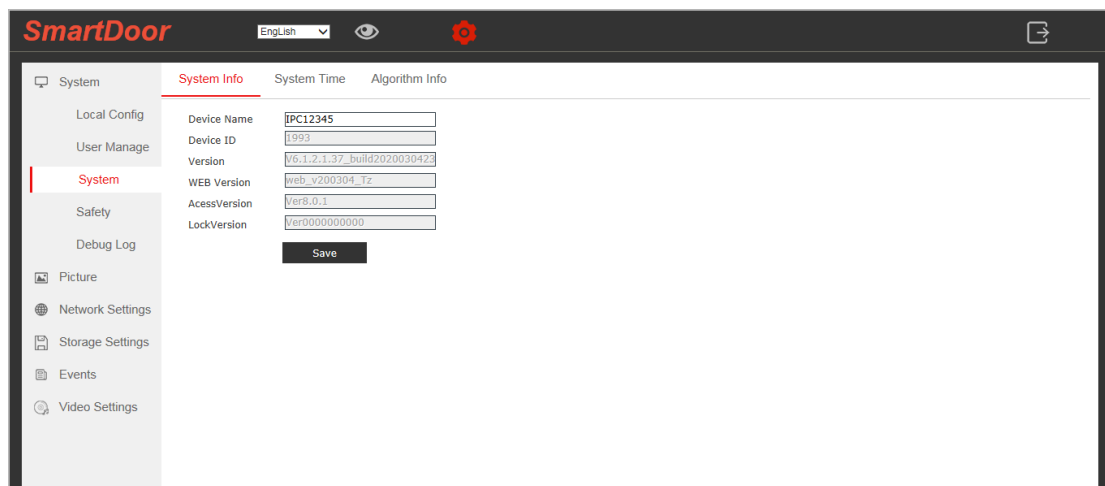
3.3.1 System info

"Click System-System – System info"

Enter the "System" interface, as shown in Figure 3.3.1

In System info, you can modify the device name

You can also view the device ID and device version



3.3.1

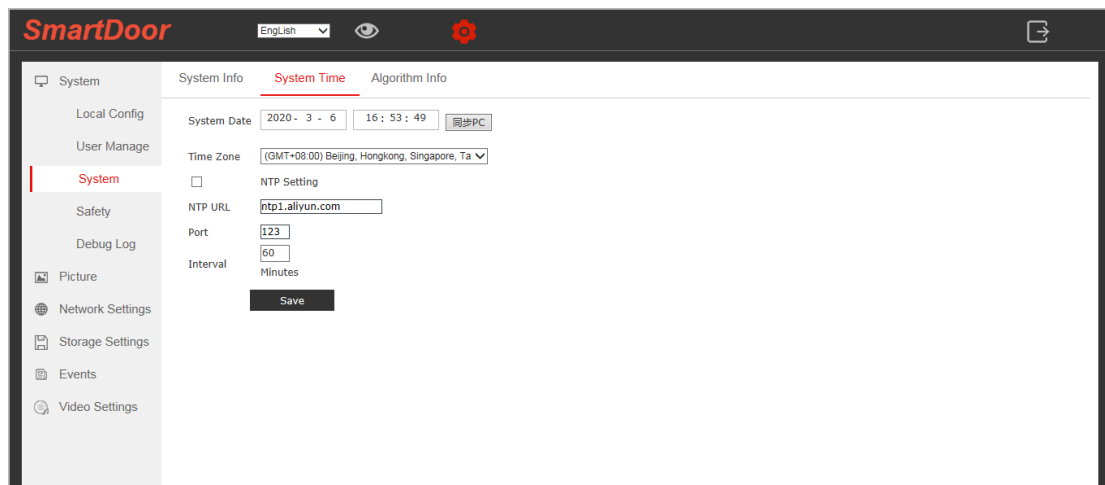
3.3.2 System time

“Click System-System -System Time ” to enter the System Time interface, as shown in Figure 3.3.2

Click "Sync PC"  to synchronize with the current computer time

Time zone can be modified according to your region

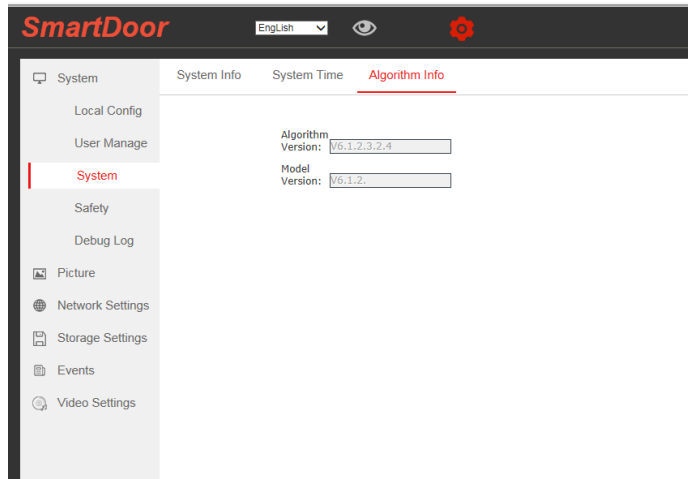
The time update period defaults to proofreading every 60 minutes



3.3.2

3.3.3 Algorithm information

View algorithm version and model version.



3.3.3

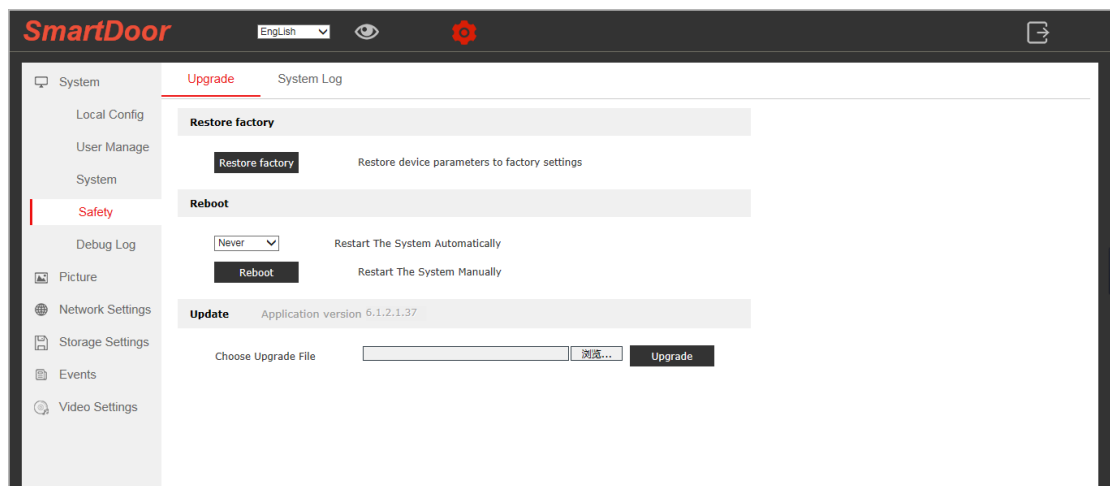
3.4 Safety

3.4.1 Upgrade

Enter the "Upgrade" interface, as shown in Figure 3.4.1

Device maintenance interface can restore the device to factory settings, restart settings, and upgrade versions.

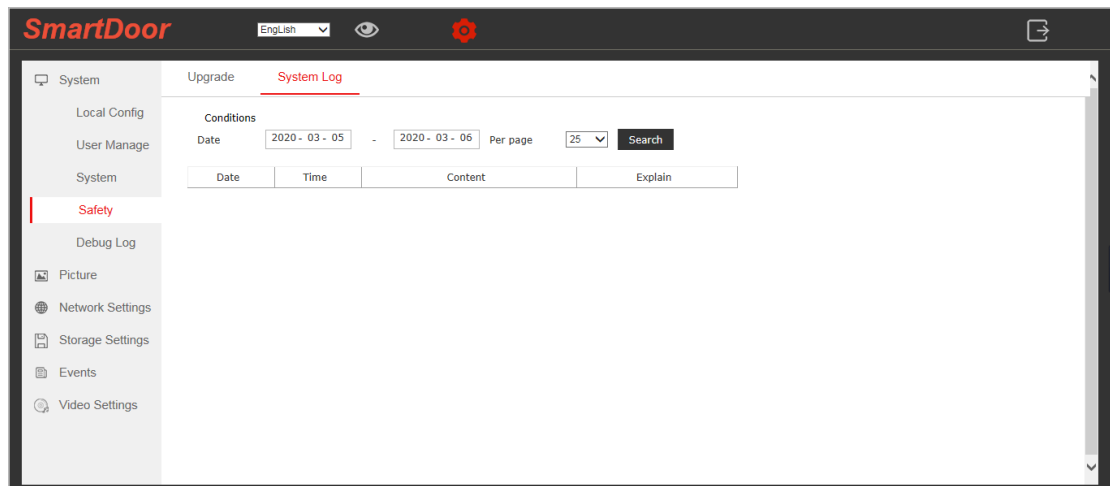
Click "Restart Device" to complete the restart, or you can set a scheduled restart Date can be fixed daily or daily.



3.4.1

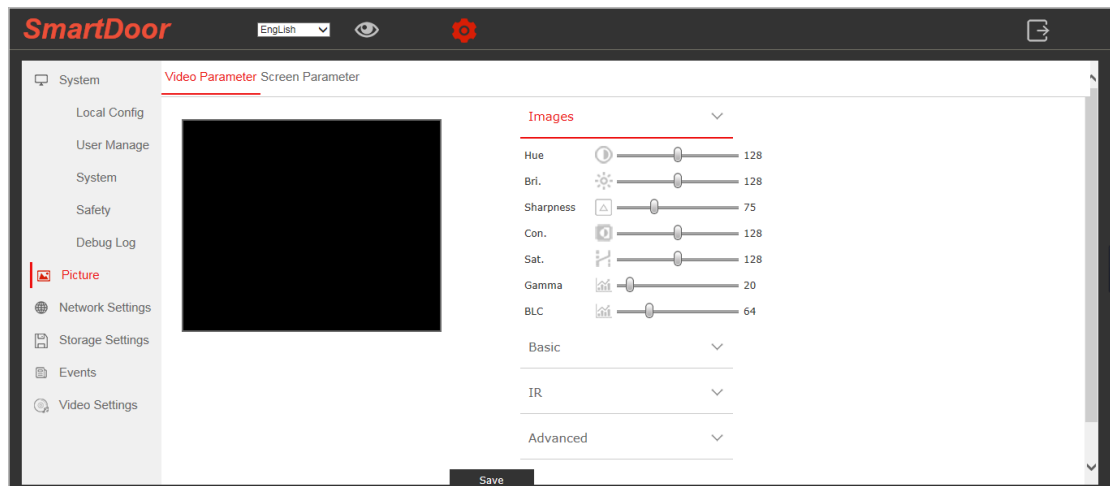
3.4.2 System log

Viewing the System Log



3.4.2

Chapter 4 Picture



4.0.1

4.1 Video parameter

4.1.1 Basic parameter

Images

Basic

Mirror

Close

Flip

Open

CTB

Color

3D-DNR

Low

LSC

Close

Video

50HZ

Standard

Iris Mode

Non-Auto

WDRStrength0

HLC

Close

IR

4.1.1

Basic parameter	Description
Color	0-255 Optional
Light	
Sharpness	
Contrast	
Saturation	
Gamma	
BLC	

4.1.2 Advanced parameters

Basic

▼

IR

▼

Advanced

▼

AntiFogging

Close

▼

WB

Auto

▼

Image

Close

▼

Stabilizer

Exposure

100

▼

Time

AGain

255

AntiFalseColor

0

4.1.2

Advanced parameter	Description
Image	Open, close optional
Flip	Open, close optional
Color to black	Color, black and white, auto selectable
3D noise reduction	Off, low, medium, high selectable
Lens correction	Open, close optional
Video format	50HZ 、 60HZ optional
Auto iris	Open, close optional
Wide dynamic strength	0-255 optional

4.1.3 IR settings

Basic

IR

IR mode

IR Detection

High Level

Black-Color

4

s

Color-Black

0

s

ICR

Low Level

IR

Auto

IR Direction

High Level

Advanced

4.1.3

IR settings	Description
IR mode	1.Video detection, time detection, photoresistor detection are optional 2.Active low, active high, automatic detection optional
Black to color time	0-60 seconds optional
Color to black time	0-60 seconds optional
ICR control	Active low, active high optional
IR control	On, off, auto selectable
IR direction	Active low, active high optional

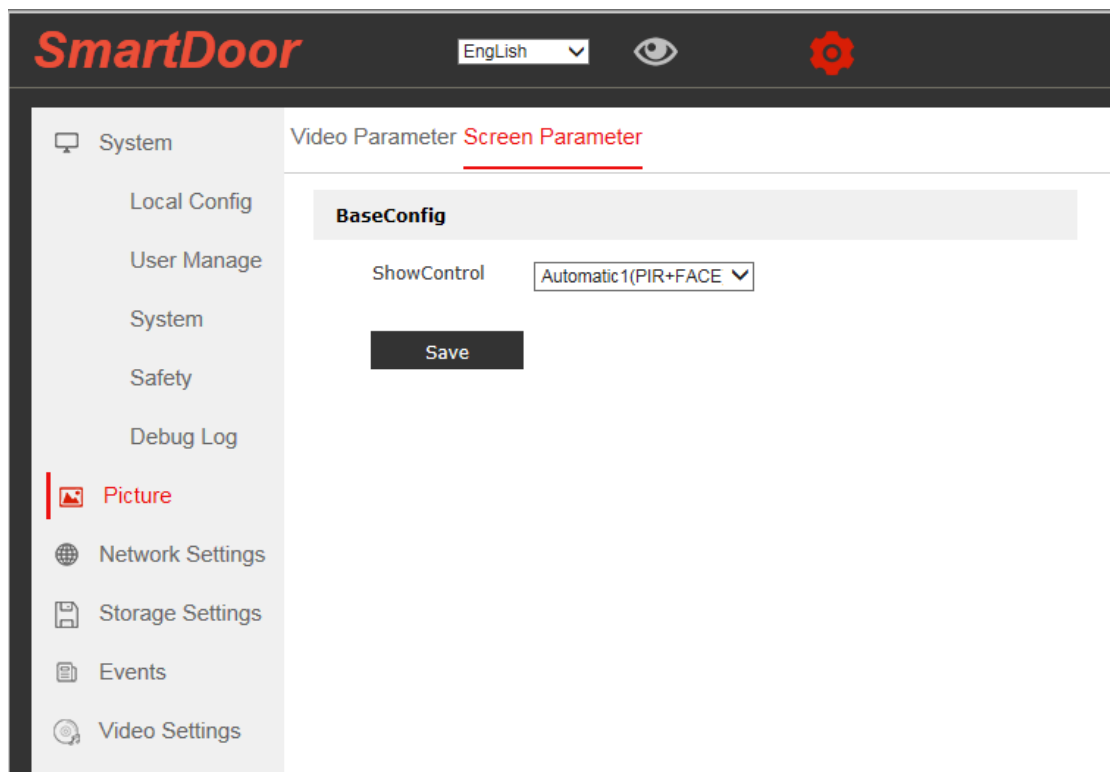
4.2 Screen parameter

Adjust the screen bright mode, constant light, automatic, time optional

"Always on": Always on screen

"Auto": bright screen when an object is detected

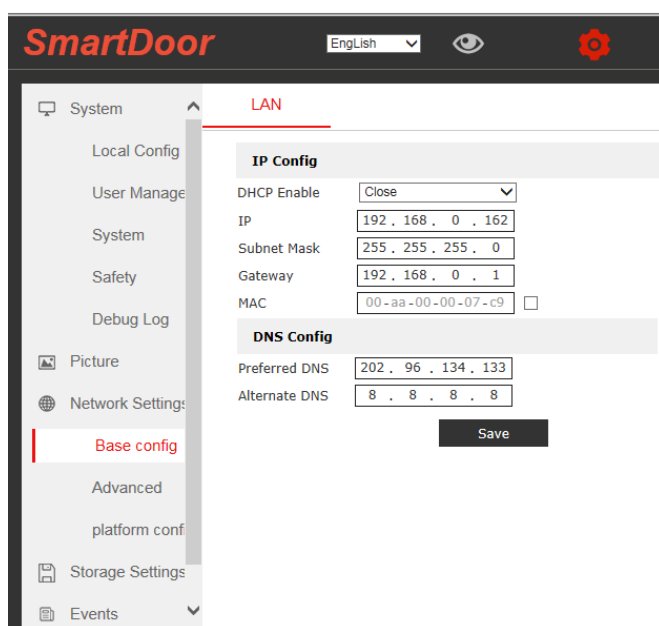
"Time": Lighting the screen for a fixed time



4.2.1

Chapter 5 Network and Storage

5.1 Base config



5.1.1

TCP / IP

You can set the IP address, subnet mask, gateway, physical address, and DNS address of the access control machine according to actual requirements.

IP address default 192.168.1.1

Can be adjusted according to actual needs

5.2 Advanced configuration

5.2.1 FTP configuration

Can configure server address, server side port, server user name, server password, and save path. FTP protocol uses 20 in TCP port by default according to actual situation. And 21 ports, 20 of which are used to transmit data, 21 for transmitting control information.

The screenshot displays the SmartDoor web interface for FTP configuration. The top header includes the 'SmartDoor' logo, a language selector set to 'EngLish', and icons for help and settings. The left sidebar menu lists various system settings, with 'Advanced' currently selected. The main configuration area is divided into 'FTP' and 'RTSP' tabs. The 'FTP' tab is active, showing fields for 'Server URL', 'Server Port' (pre-filled with 21), 'UserName', 'Password', and 'FTP Catalog'. 'Save' and 'Test' buttons are located at the bottom of the form.

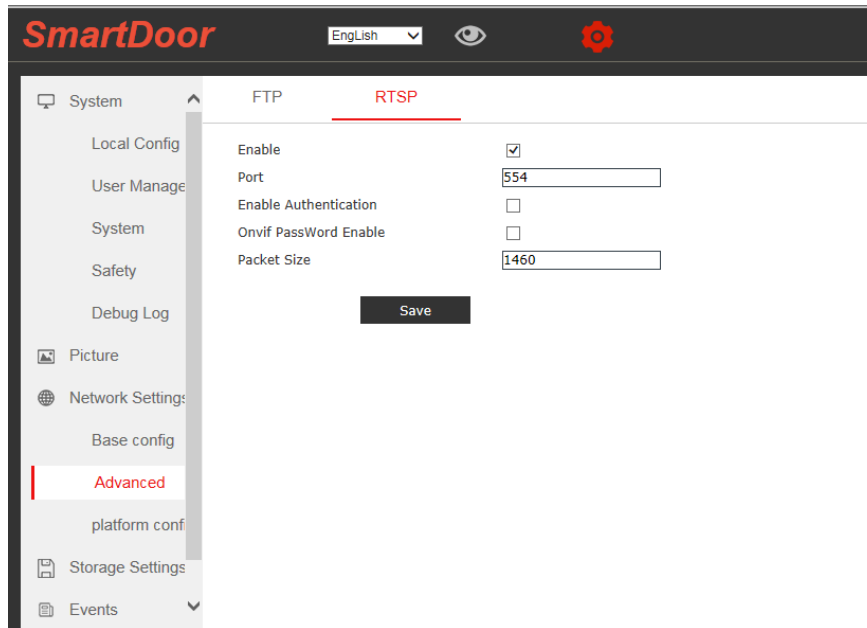
5.2.1

5.2.2 RTSP configuration

RTSP switch is on by default

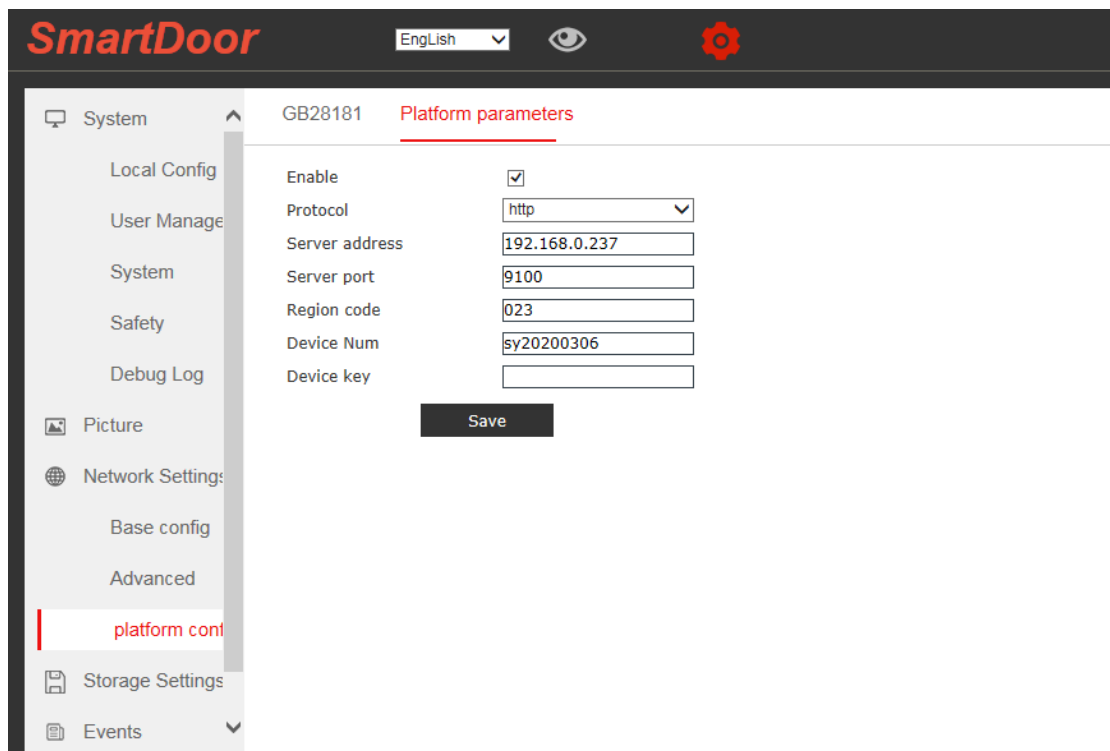
The RTSP port defaults to 554, and the packing size defaults to 1460.

Can be adjusted according to the actual situation.



5.2.2

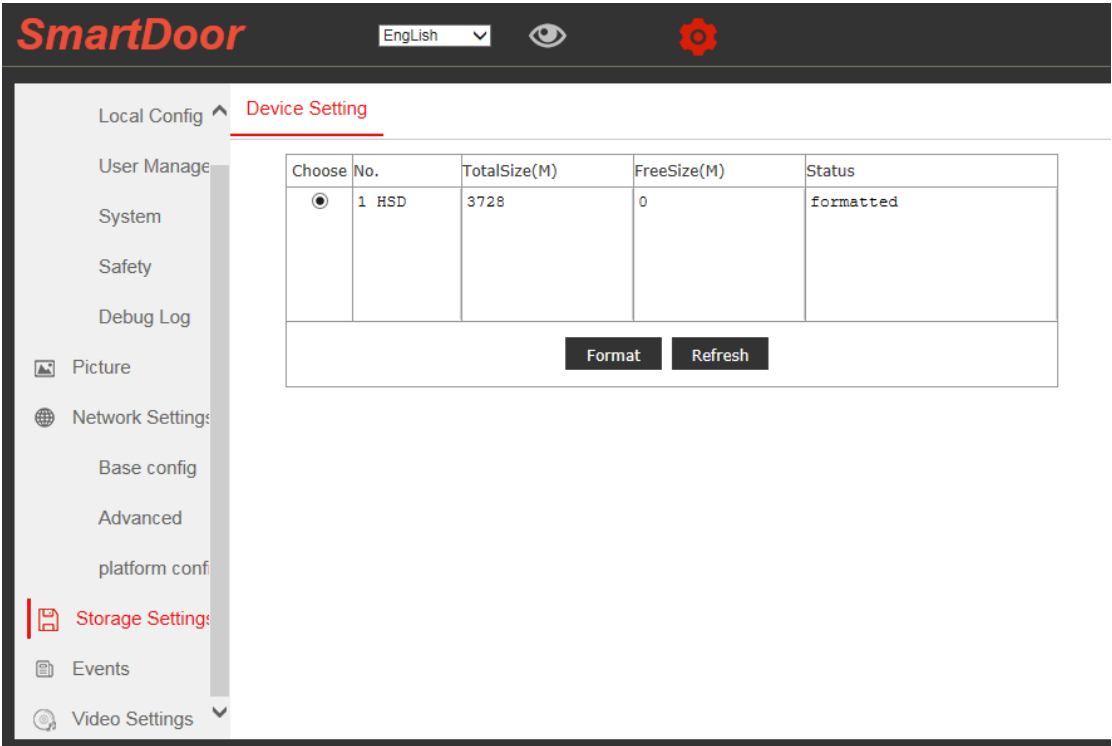
5.3 Platform parameters



5.3.1

Set the access control platform settings, input according to the actual situation.

5.4 Storage settings



5.4.1

View storage capacity, format and refresh storage.

Chapter 6 Event


6.1 Normal event

6.1.1 Motion detection alarm

Motion Detection

Sensor Detection

Unlocking



Enable

Close

Sensitivity

4

Time 1

☒ 0 : 0 -- 23 : 59

Time 2

☒ 0 : 0 -- 23 : 59

IO Output

Close

Snapshot

Close

Record

Close

Audio Out

Close

Motion area set

All

Clear

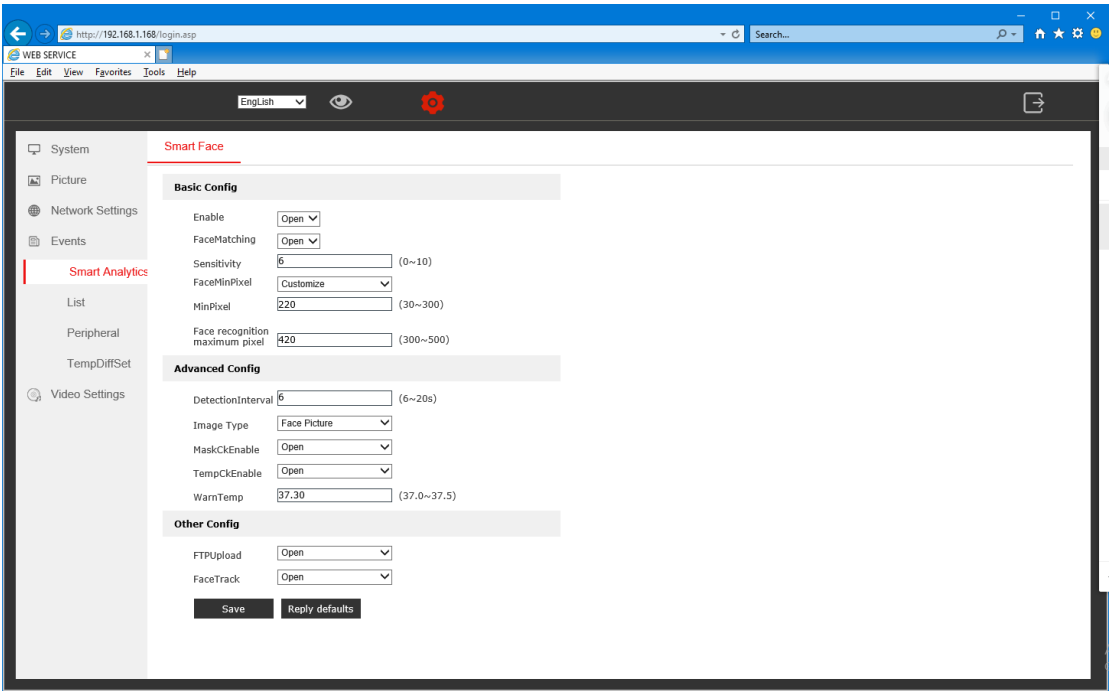
Save

6.1.1

Motion detection alarm	Description
Motion detection	Open, close optional
Sensitivity	1-5 optional
IO output	Open, close optional
Linkage capture	Open, close optional
Linkage recording	Open, close optional
Audio output	Open, close optional

6.2 Smart face

6.2.1 Parameter setting

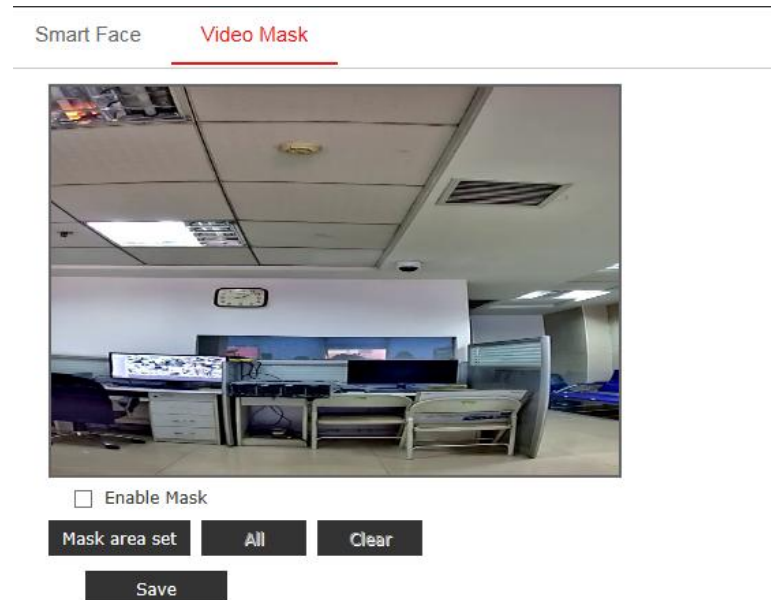


6.2.1

Parameter Setting	Description
Face Algorithm Enable	Open, close optional
Snapshot threshold	0-10 optional
Capture the smallest pixel	Automatic, custom optional
Minimum pixel	30-300
Snapshot mode	Long corridor mode, speed mode, interval mode (in seconds and frames), gate, optimal mode, access control mode
Push heartbeat picture	Open, close optional
FTP push image	Open, close optional
Overlay face frame	Stacking 8 targets, stacking 32 targets, and closing are optional

6.2.2 Video mask

Tick "Enable Mask", click on the mask area set, and press and hold the left button in the screen to select the area to block the frame selection area.



6.2.2

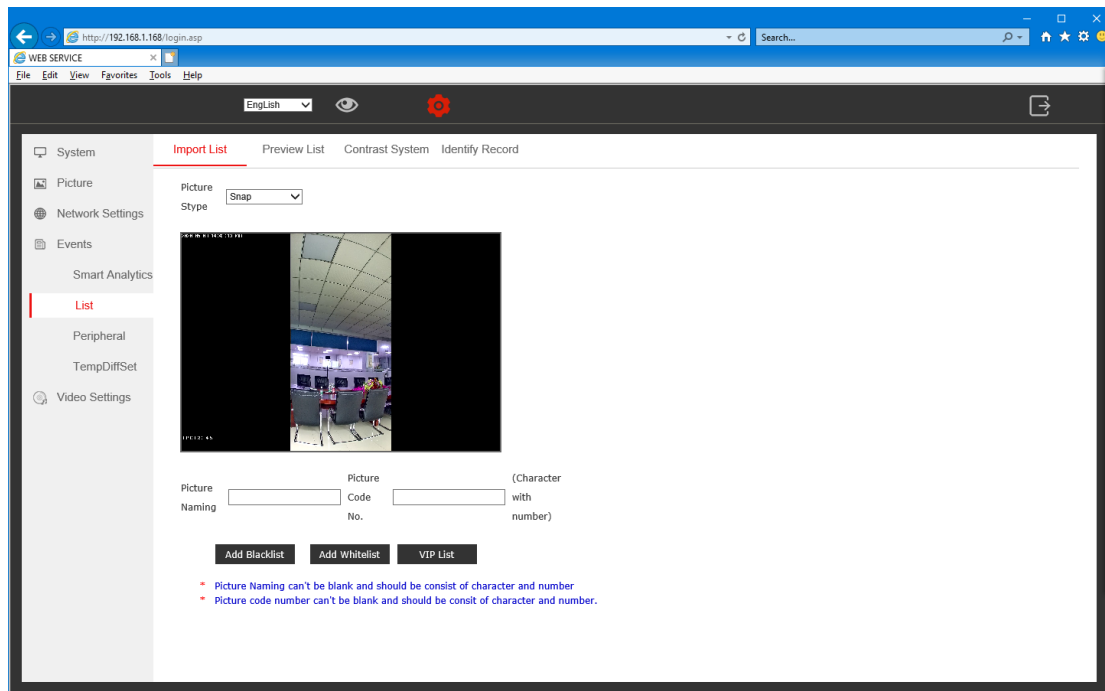
6.3 List management

6.3.1 Import list

Picture types can be selected for capture and import

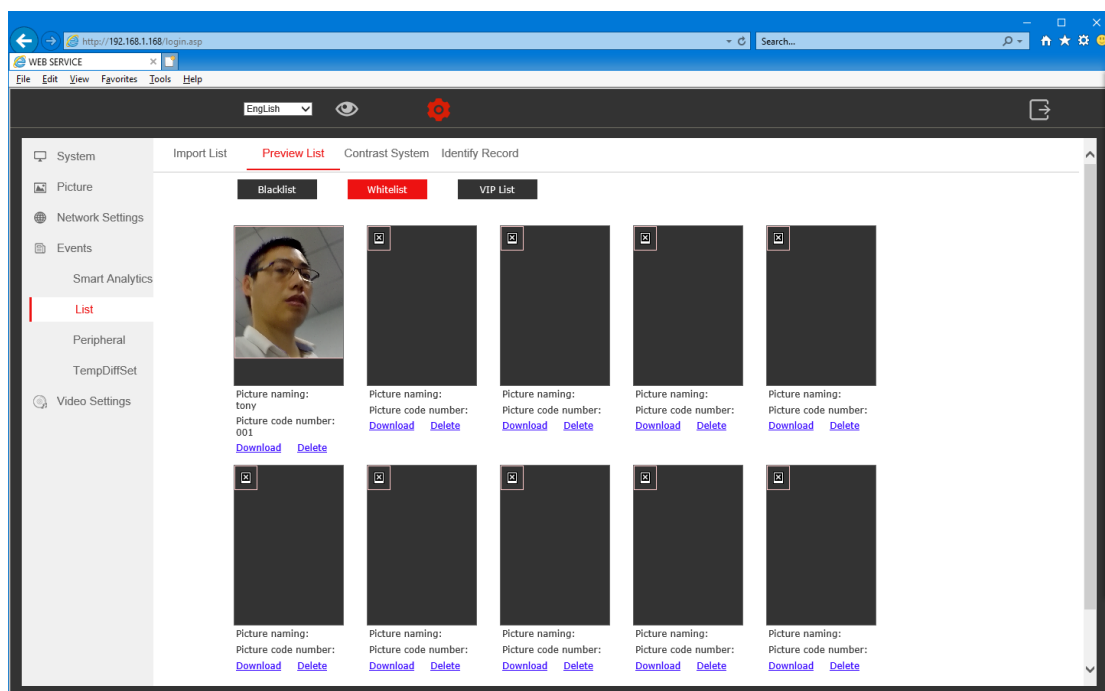
Snapshot: After entering the picture name and picture number, click on the list to be added, the system will capture and recognize the next face, and automatically import the recognition result picture into the corresponding library.

Import: After entering the picture name and picture number, click on the list to be added, manually upload the picture to be imported, and click on the list to be added, and the storage is successful.



6.3.1

6.3.2 Preview list



6.3.3 Alarm system

Recognition alarm can be given to the specified list, the number of recognition is the word face

Maximum number of recognitions after entering the recognition area.

Note: Modifying the comparison similarity may affect the recognition accuracy.

Import List
Preview List
Alarm System
Comparison Record

Alarm Switch

Open ▾

Blacklistalarm

Close ▾

Whitelistalarm

Close ▾

vip Alarm

Close ▾

nonWhitelistalarm

Close ▾

Arming time period 1

☒
0 : 0 -- 23 : 59

Arming time period 2

☒
0 : 0 -- 23 : 59

RecognitionMode

Number re ▾

Number of recognition

5 (1~10)

Comparisonsimilarity

85 (0-100)

IO Output

Close ▾

Save

Reply defaults

6.3.3

6.3.4 Comparison records

View face recognition record, can specify time period and any list.

Routing Mac	Snapshot	name	Serial number	list	time	Temperature	Whether Mask	Detailed situation
		No	No	Stranger	2020-05-08 14:36:55	36.55°C	否	similarity:0%,Number of visit:0,Age:0,Sex:Man,Glasses:Have,Mask:No,Race:White,Beard=No,Emotion=no
		tony	001	WhiteList	2020-05-07 20:26:11	36.59°C	否	similarity:93%,Number of visit:0,Age:0,Sex:Man,Glasses:Have,Mask:No,Race:White,Beard=No,Emotion=no
		No	No	Stranger	2020-05-07 20:13:39	36.43°C	否	similarity:0%,Number of visit:0,Age:0,Sex:Woman,Glasses:Have,Mask:No,Race:White,Beard=No,Emotion=n
		No	No	Stranger	2020-05-07 18:18:34	36.40°C	否	similarity:0%,Number of visit:0,Age:0,Sex:Woman,Glasses:Have,Mask:No,Race:White,Beard=No,Emotion=n
		No	No	Stranger	2020-05-07 18:18:20	36.40°C	否	similarity:0%,Number of visit:0,Age:0,Sex:Woman,Glasses:Have,Mask:No,Race:White,Beard=No,Emotion=n
		No	No	Stranger	2020-05-07 17:22:56	36.58°C	是	similarity:0%,Number of visit:0,Age:0,Sex:Man,Glasses:Have,Mask:Have,Race:White,Beard=No,Emotion=n

6.3.4

6.4 Smart access control

6.4.1 Parameter setting

Parameter setting	Description
Access control mode	Local offline, access control platform mode optional
Detection threshold	Open, close optional
Reference frames	3、5、7、9、11、13、15 optional
Single door open times	1~5 optional
Door opening interval	0~10 optional
Door opening restrictions	Normal mode, face selectable
Voice prompts	Open, close optional
Stranger Tips	Open, close optional

The screenshot shows a web browser window with the URL `http://192.168.1.168/login.asp`. The browser's address bar and menu bar are visible. The web application interface has a dark header with a language dropdown set to 'EngLish', a search icon, and a settings gear icon. A left sidebar contains a menu with categories: System (Local Config, User Manage, System, Safety, Debug Log), Picture, Network Settings, Storage Settings, Events, Smart Analytics, List, Peripheral (highlighted in red), TempDiffSet, and Video Settings. The main content area is titled 'Setting' and contains several configuration sections:

- BaseConfig**
 - WorkMode: LocalOffline (dropdown)
 - AlarmMode: NormalMode (dropdown)
 - UIRefreshDealy: (input field) (2~10)s
- FaceOpen**
 - TemperatureNormal: ☒
 - WearMask: ☒
- VoiceSetting**
 - VoicePrompts: Open (dropdown)
 - StrangerPrompts: Close (dropdown)
 - MaskVoice: Close (dropdown)
- VideoSetting**
 - VideoSwitch: Close (dropdown)
- UnlockingParam**
 - UnlockControl: Open (dropdown)
 - UnlockOutputTime: (input field) (1~254)*50ms
 - UnlockingMethod: Remotely (dropdown)

A 'Save' button is located at the bottom of the configuration area.

6.4.1

Chapter 7 Audio and video intercom

7.1 Video coding

Video Coding

Audio Parameter

Stream type

Main stream

Coding Level

Main Profile

Coding

H.264

Resolution

1920 * 1080

Rate control

VBR

Bitrate(Kb/S)

4096

Frame rate(F/S)

25

GOP(F)

50

LAN...

Save

7.1.1

Video encoding	Description
Stream type	Main stream and sub stream are optional
Coding level	Base line 、 Main Profile 、 High Profile optional
Coding	H.264 、 MJPEG 、 H265 、 H265+ optional
Bit rate type	Variable code stream and fixed code stream are optional

7.2 Audio parameter

Video Coding

Audio Parameter

Enable

☒

Audio Input

Mic

Compression

AAC

Type

Audio Bitrate

16000

Sampling Rate

44k

Input Volume

8

Output Volume

12

Save

7.2.1

Audio setting	Description
Enable	Checkable
Audio input	Microphone, line input optional
Compression	G.762 、 G.711A 、 G.711U 、 AAC optional
Audio bit rate	16000
Sampling Rate	8K
Input volume	0-15
Output volume	0-15

Chapter 8 Face recognition and thermal human temperature measurement

Motion Detection Sensor Detection **Unlocking**

BaseConfig

UnlockControl

Close ▾

UnlockOutputTime

1

 (1~30)

Save

8.1.1

Unlock control	
Unlock control	Open, close
Unlock output time	1—30 optional

SmartDoor

EngList

Local Config

Smart Face

Video Mask

User Manage

System

Safety

Debug Log

Picture

Network Settings

Base config

Advanced

platform config

Storage Settings

Events

Alarm Setting

Smart Analyt

List

Smart Access

Billboard Play

Video Settings

Basic Config

Enable

Open

FaceMatching

Close

Sensitivity

5

(0~10)

FaceMinPixel

Customize

MinPixel

220

(30~300)

Face recognition maximum pixel

420

(300~500)

Advanced Config

Image Type

Face Picture

MaskCkEnable

Open

TempCkEnable

Open

Other Config

FTPUpload

Open

FaceTrack

Open

Save

Reply defaults

8.1.2

Parameter setting			
Face Algorithm Enable	Open, close optional	Push Picture Type	Uploading faces, uploading scene images, uploading scene images, and faces are optional
Face Contrast Switch	Open, close optional	Push heartbeat picture	Open, close optional
Snapshot threshold	0—100 adjustable	Mask detection switch	Open, close optional
Capture the smallest pixel	Automatic, custom optional	Body temperature detection switch	Open, close optional
Minimum pixel	30—300 adjustable	FTP push image	Open, close optional
Capture maximum pixels	300—500 adjustable	Overlay face frame	Stack 8 targets, stack 32 targets
Snapshot	Long corridor mode, speed mode, interval mode (in seconds),		

mode	interval mode (in frames), gate mode, optimal mode, access control mode
------	---

SmartDoor English

Local Config **Setting** OpenRecord

User Manage

System

Safety

Debug Log

Picture

Network Settings

Base config

Advanced

platform config

Storage Settings

Events

Alarm Setting

Smart Analyti

List

Smart Access

Billboard Play

Video Settings

BaseConfig

AccessMode LocalOffline

VivoDetection Open

Threshold 30 (20~100)

ReferenceFrame 3

Single Max Open 2 (1~5)

Open Intervals 5 (3~10)

OpenRestriction regularMode

FaceOpen

TemperatureNormal ☐

WearMask ☐

VoiceSetting

VoicePrompts Open

StranqerPrompts Close

VideoSetting

VideoSwitch Close

Save

8.1.3

Parameter setting			
Access control mode	Local offline, access control platform optional	Match success	Check (on), uncheck (off)
Live detection	Open, close optional	Body temperature is normal	Check (on), uncheck (off)
Detection threshold (need to enable live detection)	20—100 optional	Wear a mask	Check (on), uncheck (off)

Words maximum door open times	1—5 adjustable	Voice prompts	Open, close optional
Door opening interval	3—10 adjustable	Stranger Tips	Open, close optional
Door opening restrictions	Normal mode, face mode	Video on	Open, close optional