

EWAR COMPACT Installation Manual



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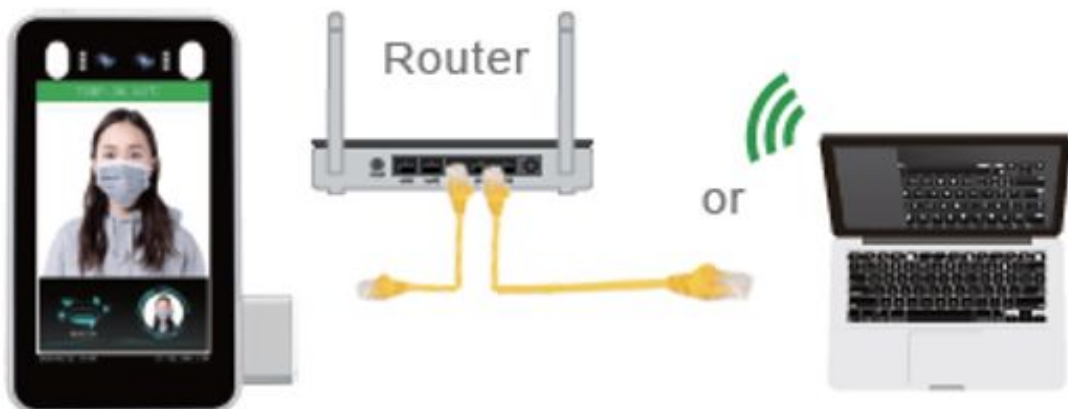
PRODUCT OVERVIEW

Topics in this chapter:

- Introduction
- Product Features
- Packing List

1.1 Introduction

1. The face recognition terminals are suitable for hotels, office buildings, schools, shopping centers, KTV, bars, buses and communities.
2. Overview :



Note

- Device networking temperature: 10 – 40°C. Do not install under the vent and ensure that there is no heating source within 3 meters.
- People entering the room from a cold outdoor environment will affect measurement accuracy. The forehead temperature test needs to be performed indoors without covering the forehead for three minutes and the temperature is stable.
- The temperature read by the temperature measuring device is the temperature in the forehead area. When there is a water, sweat, oil or thick makeup on the forehead, or the elderly have wrinkles, the read temperature will be lower than the actual temperature. Make sure there is no hair or clothing covering this area.

1.2 Product Features

1. Non-contact automatic temperature detection and voice prompts.
2. Temperature measurement range: 30 - 45°C, 7-inch forehead temperature measurement accuracy is ± 0.3 , the measurement distance 0.4-1 meter..
3. Auto identify people without masks and sound real-time warning.
4. Dual sensor with living detect.
5. Face library 22400 person, storage 100,000 recognize record.
6. Device vision dynamics ≥ 80 dB, suitable for backlight environment.
7. Supports fog, 3D noise reduction, strong light suppression, electronic image stabilization, multiple white balance modes.

1.3 Packing List

Packing list of 7-inch

1. 1 * Face recognition terminal
2. 1*Power supply 12V 3A
3. 1*Waterproof head for Network cable port and power port
4. 6*Tie
5. 1*Hex screwdriver

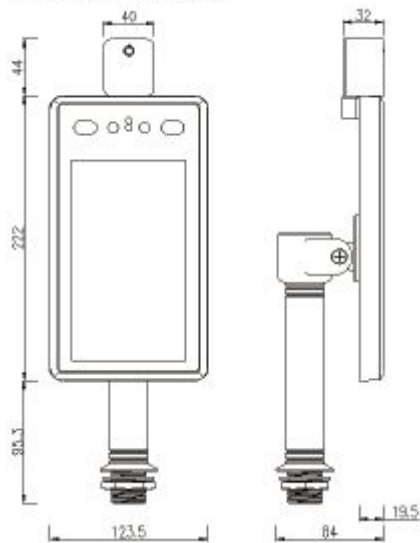
Physical Installation

Topic in this chapter:

- Physical Installation

2.1 Specification

1. 7-inch turnstile



Wiring Function

Topics in this chapter:

- Wiring Function

3.1 Wiring Function

1. 7 inch turnstile



No	Name	Description
J1	WG Out	1:D0 2:D1 3:GND
J2	WG	IN NC
J3	Alarm Out	Connect Magnetic lock or electric lock
J4	USB	Connect the ID identifier or other USB devices
J5	RJ45	Network cable port
J6	DC12V	Connect to 12V / 3A power supply

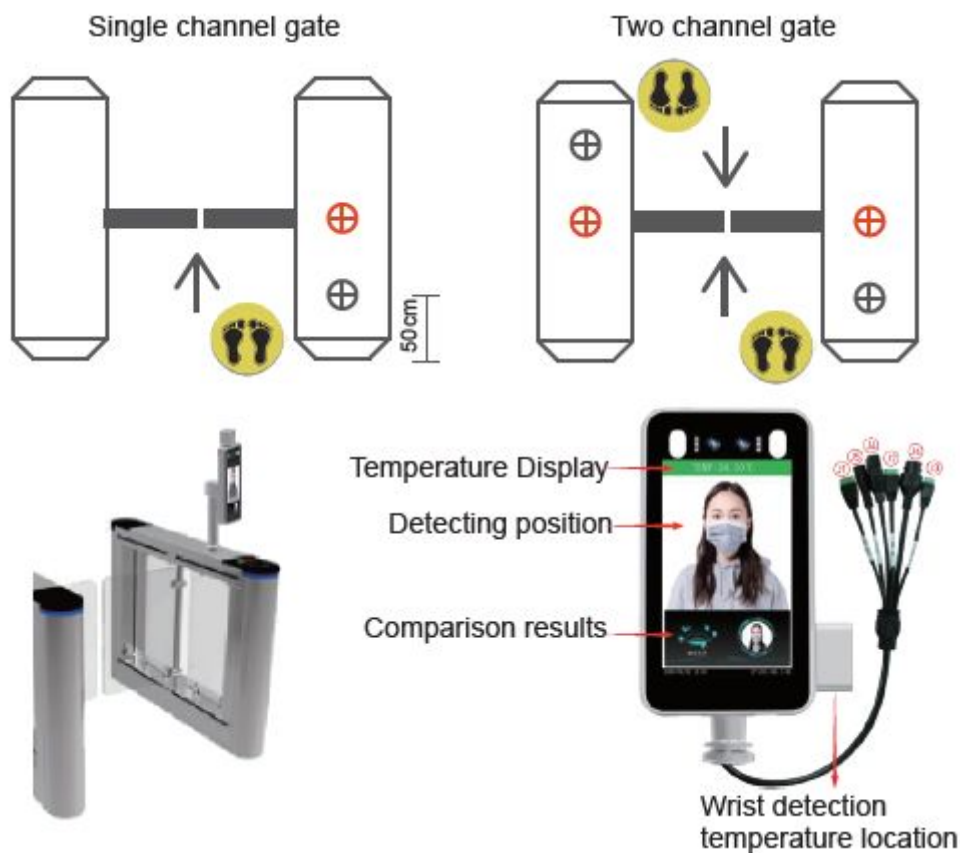
Installation

Topics in this chapter:

- Installed on the gate

4.1 Installed on the gate

1. According to the device of the installation site, in the space position on the gate or on the front side, the opening diameter of the 7-inch turnstile larger than 27mm, and the opening diameter of the 8-inch turnstile larger than 33 mm..



2. Adjust to best angle and detection position of the detector. After the temperature measurement access control is fully activated, the human face is directly facing the device. Observe the face image on the device screen. Make sure that the bare skin on the forehead is placed in the “temperature measurement area” (best temperature detector distance 0.5m)



3. Mounted on the bracket



1.1meter

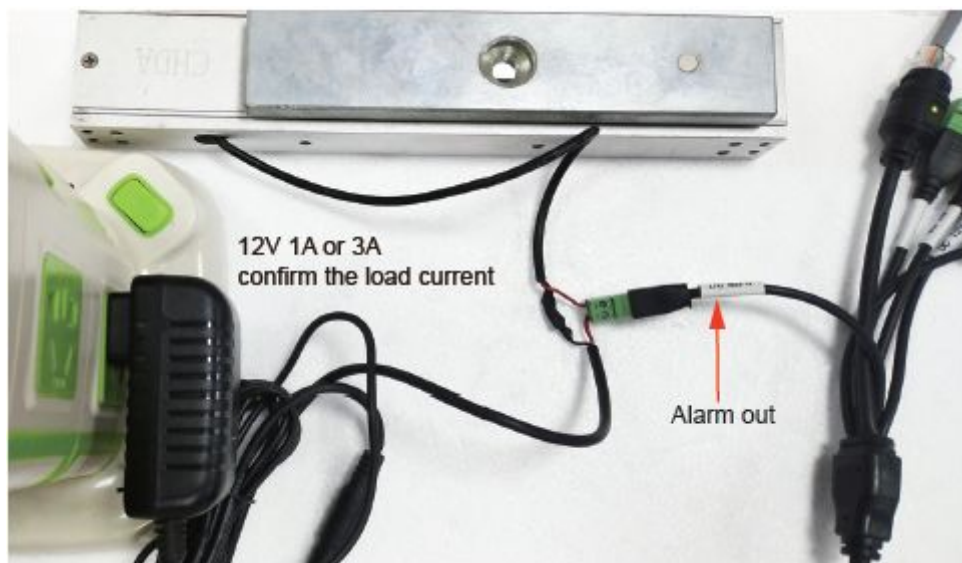
Access Control

Topics in this chapter:

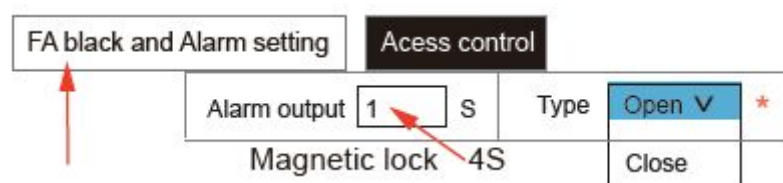
- Access control

5.1 Connect Magnetic lock or electric lock

1. Please see the picture below for connecting the magnetic lock. The electric lock connection is the same as the magnetic lock.



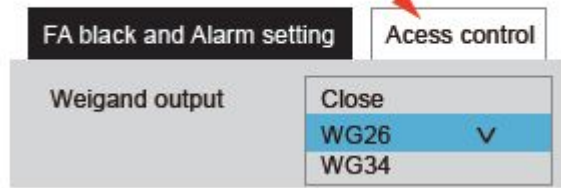
2. Logon the IE. Select the Type to Open>if electric lock is connected, select <Close> and Alarm output for 4S if magnetic lock is connected.



5.2 Connect WG26 or WG34

1. After connecting the corresponding interface, select WG26 or WG34 in the IE settings. Click the right top left-hand side of screen.

After connecting the corresponding interface, select WG26 or WG34 in the IE settings



5.3 Connect RS485

1. Only 7-inch wall mount support RS485
2. Orange and White 485+, Blue and White 485.
3. Select **Manage Tickets** at the right top left-hand side of screen and a browser is opened.

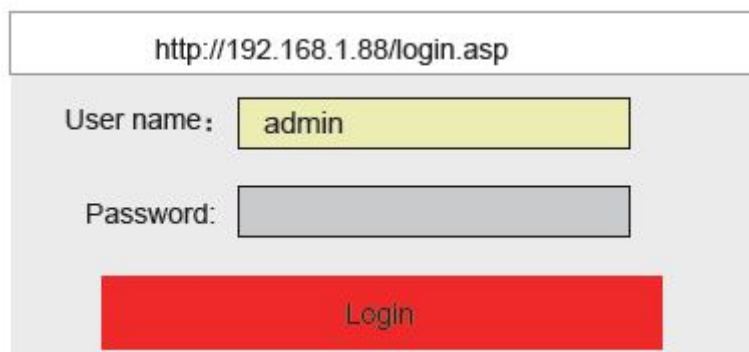
Software Configuration & Installation

Topics in this chapter:

- Setting & search on IE browser

6.1 Log in on the IE browser

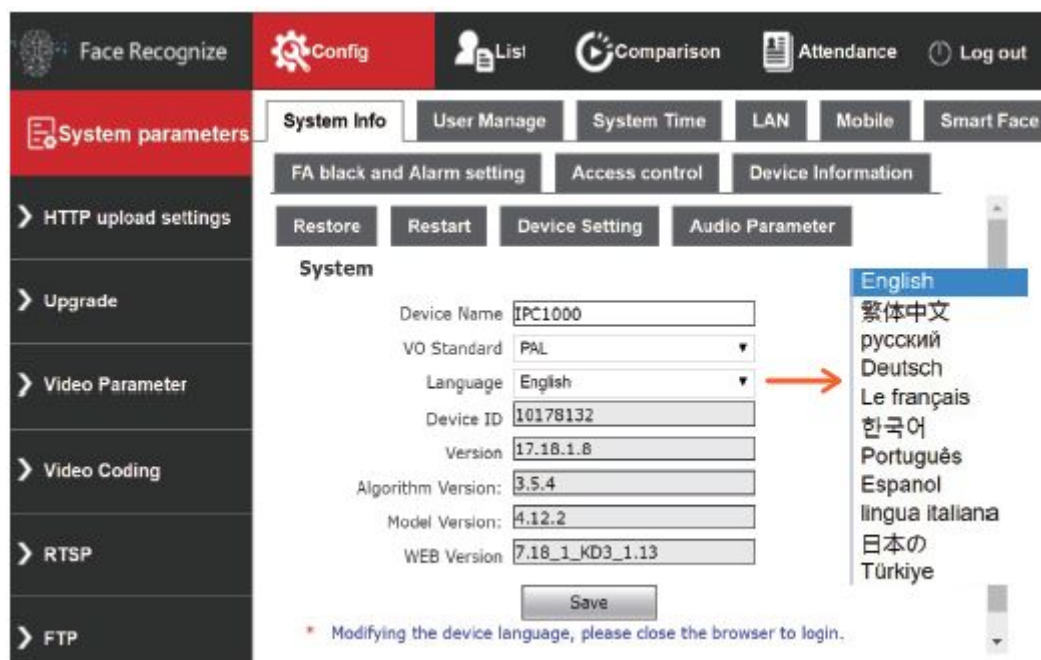
1. Access the Camera configuration web page.
 - a. After the face recognition machine is connected to the power supply and the network cable, wait for about 2 minutes and the device will finish booting. The device is ready to be configured when the screen starts showing the camera feed.
 - b. Enter the 192.168.1.88 (Default IP address) on the IE browser with default username "**admin**" and default password "**admin**". Please ensure the device used for configuration are on the same subnet for example **192.168.1.100**, if not, please change your device's IP address. Refer to the websites below for instructions on how to change device's IP address :
 - 1) Windows :
<https://support.microsoft.com/en-my/help/15089/windows-change-tcp-ip-settings>
 - 2) MAC OS :
<https://support.apple.com/en-gb/guide/mac-help/mchlp2718/mac>



The screenshot shows a web browser window with the address bar containing the URL `http://192.168.1.88/login.asp`. Below the address bar, there is a login form with two input fields: "User name:" with the text "admin" entered, and "Password:" which is currently empty. At the bottom of the form is a red button labeled "Login".

6.2 Language and Version

1. Click System info to select the language interface you want. Check the version information of the device.



6.3 Change the password of the user

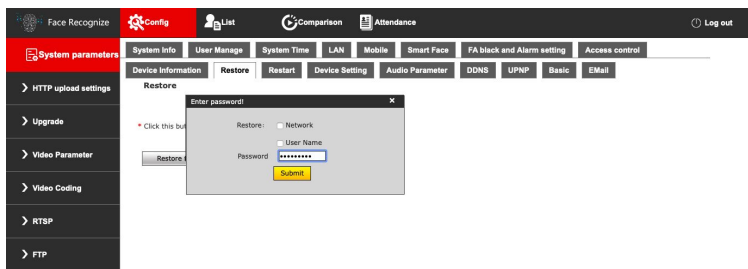
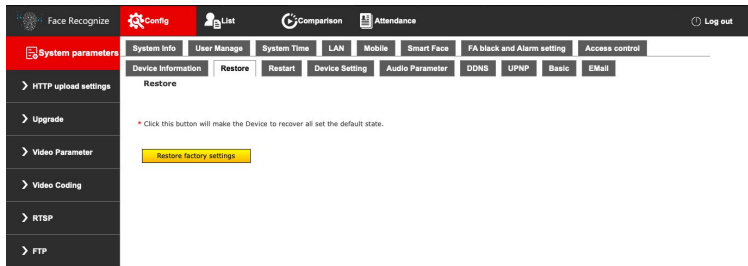
1. Click User Manage to change the password for select user

6.4 System Time

1. User can change the time of the device

6.5 Restore Settings

1. User can restore device to factory settings



6.6 LAN settings

1. User can change the LAN setting to user connect the device

DHCP Enable

IP

Subnet Mask

Gateway

Preferred DNS

Alternate DNS

6.7 Connect NVR, HTTP, FTP upload

1. Connect to NVR through RTSP settings.
2. Upload to the set HTTP address.
3. Upload to the set FTP address.

<h3>RTSP</h3> <p>Enable <input checked="" type="checkbox"/></p> <p>Enable Authentication <input type="checkbox"/></p> <p>Packet Size <input type="text" value="1460"/></p> <p>Port <input type="text" value="554"/></p> <p>Communicate <input type="text" value="Multicast"/></p> <p>Multicast Server Address <input type="text" value="239.0.0.0"/></p> <p>Main Stream Multicast Video Port <input type="text" value="1234"/></p> <p>Main Stream Multicast Audio Port <input type="text" value="1236"/></p> <p>Sub Stream Multicast Video Port <input type="text" value="1240"/></p> <p>Sub Stream Multicast Audio Port <input type="text" value="1242"/></p> <p>Onvif PassWord Enable <input type="checkbox"/></p> <p style="text-align: center;"><input type="button" value="Save"/></p> <p>Data Port <input type="text" value="5000"/></p> <p>Web Port <input type="text" value="80"/></p> <p>ONVIF Port <input type="text" value="2000"/></p>	<h3>FTP</h3> <p>Server URL <input type="text"/></p> <p>Server Port <input type="text" value="21"/></p> <p>FTP Catalog <input type="text" value="/"/></p> <p>classification <input type="text" value="There is no"/></p> <p>User Name <input type="text"/></p> <p>Password <input type="text"/></p> <p>FileUploadMode <input type="text" value="Direct upload"/></p> <p style="text-align: center;"><input type="button" value="Save"/> <input type="button" value="Test"/></p> <h3>DDNS</h3> <p>Enable <input type="checkbox"/> URL www.3322.org</p> <p>Service Provider <input type="text"/></p> <p>User Name <input type="text"/></p> <p>Password <input type="text"/></p> <p>Domain <input type="text"/></p> <p>Server URL <input type="text" value="www.3322.org"/></p> <p>Server Port <input type="text" value="30000"/></p> <p>Data Port <input type="text" value="5000"/></p> <p>Web Port <input type="text" value="80"/></p> <p>Update Interval <input type="text" value="30 minutes"/></p>
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4. Update address : <https://ewarapi.tmrnd.com.my:2880/ewar/api/camdata>

The screenshot displays the 'HTTP upload' configuration page within the EWAR system. The interface includes a top navigation bar with 'Face Recognize', 'Config', 'List', 'Comparison', and 'Attendance' options. A left sidebar lists 'System parameters' with sub-items: 'HTTP upload settings', 'Upgrade', 'Video Parameter', 'Video Coding', 'RTSP', and 'FTP'. The main content area is titled 'HTTP upload' and contains the following settings:

- Capture upload:
- Capture information upload address:
http://ewarapi.tmrnd.com X
- Compare upload type:
- Capture information content: FaceInfo CompareInfo
- upload picture: Face map Background Image List library photo
- Number of retransmissions:
- registered:
- Registration information upload address:
- Heartbeat upload:
- Heartbeat information upload address:
- Heartbeat interval: (unit:seconds)
- Actively obtain the task address:
- Address to report task results:
- Sign verification:
- Operating mode:
- HTTP version: (The device will restart when switched to V1.0.0 version)

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

6.8 Face recognize parameter setting

5. Face Snapshot Pixel :

You can choose the mask detection. If the visitor does not wear a mask by if select opening, the device will sound a warning prompt.

Face Recognition

Enable

Time 1 0 : 0 -- 23 : 59

Time 2 0 : 0 -- 23 : 59

Sensitivity

Snapshot mode

Capture times

Interval between snap (1~1500)

Face Snapshot Max. Pixel (300~500)

Face Snapshot Min. Pixel (30~300)

Temp. Taking Face Min. Pixel (0~500)

Face scene

Face Tracking frame

FTP Upload

Upload Image type

FaceQuality (1~99)

Human

Living Detection

Temp Taking Priority

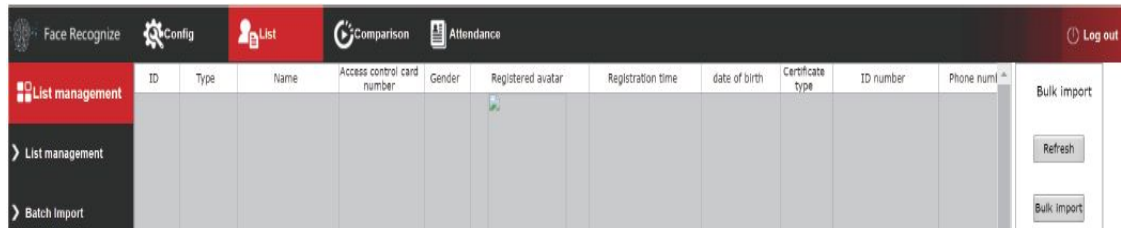
6.9 FA Black and Alarm Setting

1. Mask detection. You can choose the mask detection. If the visitor does not wear a mask by if select opening, the device will sound a warning prompt.
2. Temperature correction. "Smart Algorithm" mode no correction value. If the ambient temperature of the device exceeds 30 degrees, select the high temperature algorithm,
3. Please use the actual measured human body temperature and the data measured by the device multiple times, and fill in the compensated temperature value.
4. If the ambient temperature of the device is lower than 10 degrees, select the low temperature algorithm.
5. Please use the actual measured human body temperature and the data measured by the device multiple times, and fill in the compensated temperature value.

Alarm Switch <input checked="" type="checkbox"/>	Whitelist alarm <input checked="" type="checkbox"/>	VIP List <input checked="" type="checkbox"/>	Non-White list alarm <input type="checkbox"/>
IO Output <input checked="" type="checkbox"/>	Continuous output <input type="checkbox"/>	Alarm output <input type="text" value="1"/> (1~60)S	IO Output Type <input type="text" value="Open"/> <input checked="" type="checkbox"/>
Recognize Mode	Single recognize mode <input type="text" value="v"/>		
Comparison similarity	75 (1-100) 1 Face detect		
ID similarity	60 (1-100) 2 Temperature detect		
Matching mode	Temperature detect <input type="text" value="v"/> 3 Face detect+Temperature detect		
Mask detect	Open <input type="text" value="v"/>	without mask	<input type="button" value="Do not open the door"/> <input type="button" value="Open the door"/>
	Setting to <open> when detect wearing a mask.		
Temperature correction	Intelligent Algorithm <input type="text" value="v"/>	compensated temperature	<input type="text" value="0.0"/>
Abnormal temperature opens the door	Close <input type="text" value="v"/>	When setting close. Willnot open the door if Measured temperature is high or too low.	
Temperature threshold	37.3 (1-100)		
Temperature unit	Celsius <input type="text" value="v"/> → 1.Celsius 2.Fahrenheit		
Time period without temperature measurement	<input type="text" value="0"/> : <input type="text" value="0"/> - <input type="text" value="23"/> : <input type="text" value="59"/>		
<input type="button" value="Save"/>		<input type="button" value="Reply defaults"/>	

6.10 List Management & Attendance

1. Users can add lists or bulk import some information about employees.



2. Click <Search> to check the attendance list.

Set Time: Sunday	go to work: 06:00 - 09:00	off duty: 18:00 - 23:59	Advanced	save	default
Working days setting		<input type="checkbox"/> On Sunday <input checked="" type="checkbox"/> On Monday <input checked="" type="checkbox"/> On Tuesday <input checked="" type="checkbox"/> On Wednesday <input checked="" type="checkbox"/> On Thursday <input checked="" type="checkbox"/> On Friday <input type="checkbox"/> On Saturday			
2020-5-3	2020-5-3	Name	number	Attendance status	query type
				all	record
Routing Mac	name	Serial number	Detailed situation		

3. Click <Search> to view visitor information from the device, including whether the visitor is wearing a mask, body temperature, and photos.

Routing Mac	name	Serial number	list	body temperature	time	IC	Detailed situation
	-	-	Guest	36.69	2020-05-03 10:23:03		Mask:Have,body temperature:Normal
	-	-	Guest	36.65	2020-05-03 10:22:36		Mask:NO ,body temperature:Normal

6.11 Access Control

The screenshot displays the EWAR web interface for configuring access control. The top navigation bar includes 'Face Recognize', 'Config', 'List', 'Comparison', and 'Attendance', with a 'Log out' button on the right. Below this, a secondary navigation bar contains 'System info', 'User Manage', 'System Time', 'LAN', 'Mobile', 'Smart Face', 'FA black and Alarm setting', and 'Access control'. The 'Access control' section is active, showing sub-menus for 'Device Information', 'Restore', 'Restart', 'Device Setting', 'Audio Parameter', 'DDNS', 'UPNP', 'Basic', and 'EMail'. The left sidebar lists 'System parameters' (selected), 'HTTP upload settings', 'Upgrade', 'Video Parameter', 'Video Coding', 'RTSP', and 'FTP'. The main content area is titled 'Platform' and contains the following settings:

- Wiegand output: Close
- White light control: White light is always
- Screen display mode: Turn off screen displ.
- Repeated face skip time: 3 (1-10s)
- Temperature measurement mode: Quick mode
- Date Format: YYYY-MM-DD
- Comparison record storage: All records

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

6.12 Device Setting

1. Format will clear all the face images and comparison records /attendance records of the device.

Choose	No.	TotalSize(M)	FreeSize(M)	Status
<input checked="" type="radio"/>	1 HSD	14800	13695	formatted

2. Please refer to EWAR Portal User Manual, to view the visitor data