



See Far, Go Further



Temperature Screening MinMoe Configuration

**HIKVISION**<sup>®</sup>

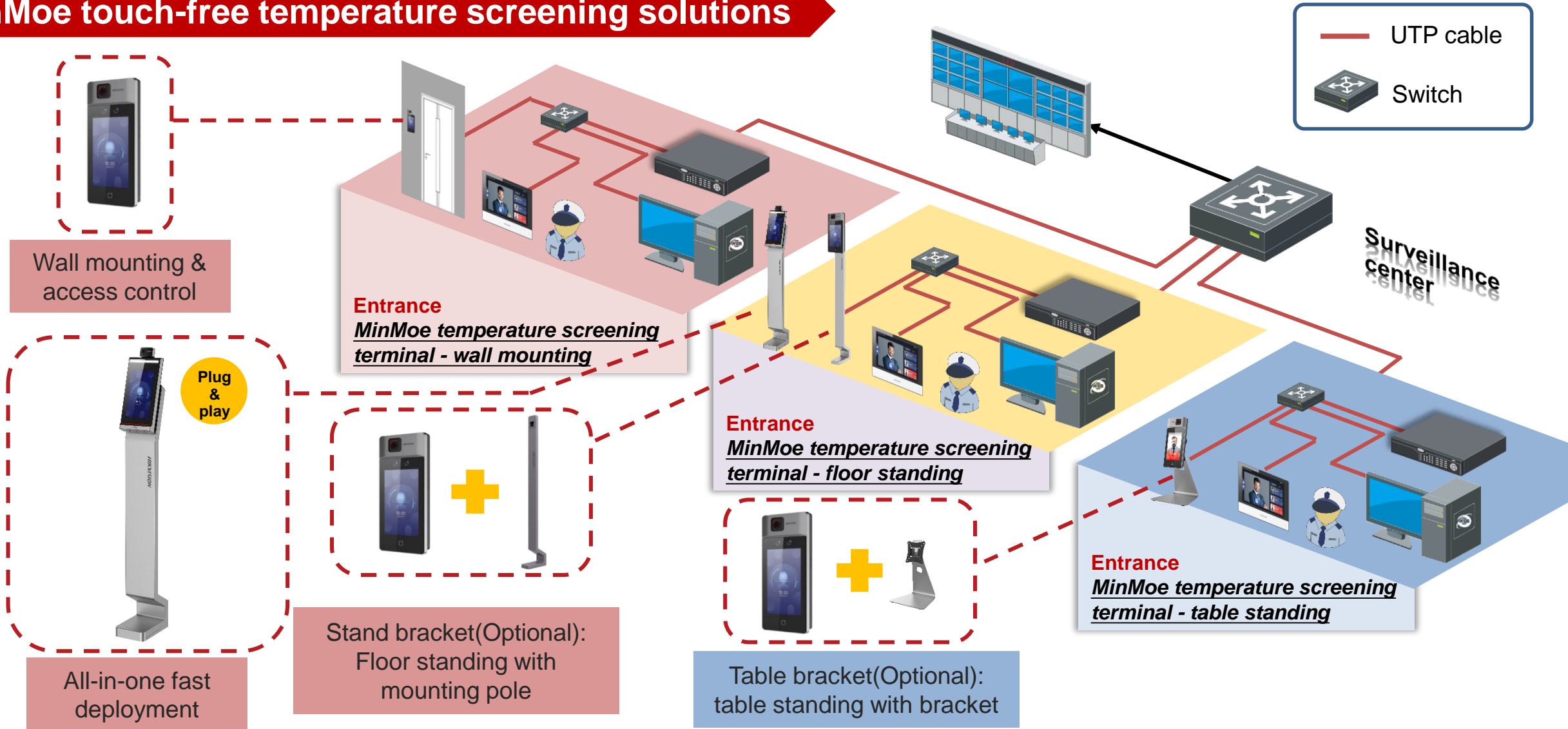
- **Introduction**
- Preparation
- Installation
- Local GUI Configuration
- Operation
- Q&A

# Introduction -> System Structure



Access control and temperature events can be managed by iVMS-4200 or HikCentral Professional.

## MinMoe touch-free temperature screening solutions



## Introduction -> Device Parameters

**HIKVISION**

DS-K1T671TM-3XF

Temperature measurement	Sensor	Vanadium Oxide uncooled sensor
	Resolution	120 × 160
	Frame rate	25 fps
	Temperature range	30 °C to 45 °C
	Temperature accuracy	±0.5 °C, without black body calibration
	Measuring distance	0.3 to 2.0 m
Other	Working voltage	12 VDC/2 A
	Working temperature	0 °C to 50 °C For temperature measurement: 10 °C to 35 °C
	Working humidity	10 to 90% (No condensing)
	Application	Indoor
	Application environment	Indoor and windless environment use only



50,000 face capacity

50,000 M1 card capacity

100,000 event capacity



See Far, Go Further

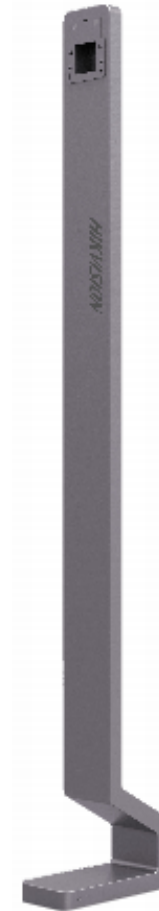
	DS-K5604A-3XF/V	DS-K1T671TM-3XF
		
<b>LCD screen</b>	10.1 inch	7 inch
<b>Face capacity</b>	50,000	50,000
<b>Card capacity</b>	N/A	50,000 M1 cards
<b>Thermal imaging resolution</b>	120 x 160	120 x 160
<b>Temperature range and accuracy</b>	30-45° C (±0.5 ° C)	30-45° C (±0.5 ° C)
<b>Authentication Distance</b>	0.3-2m	0.3-2m
<b>Mask detection</b>	Support	Support
<b>Fast temperature measurement</b>	Support	Support
<b>Deployment</b>	Plug & play, floor standing Including power adaptor	Wall mounting/ floor standing with mounting pole

## Introduction -> Device Parameters



DS-KAB671-B (Optional)

Material	SPCC
Weight	6.7 kg (14.8 lb.)
Dimension (W x H x D)	98.5 mm × 1342 mm × 225 mm (3.9" × 52.8" × 8.9")

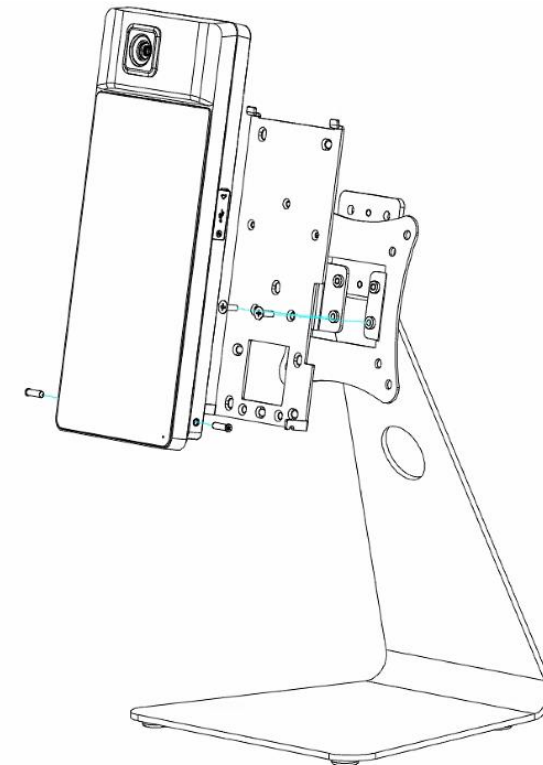


# Introduction -> Device Parameters



## DS-DM0710BL base bracket (Optional)

Material	SPCC
Weight	6.7 kg (14.8 lb.)
Dimension (W x H x D)	193 mm × 353.5 mm × 195.5mm (7.6" × 14.3" × 7.7")
Net Weight	2.2 ± 0.5 Kg (4.85 ± 1.1 lb)
Gross Weight	2.5 ± 0.5 Kg (5.51 ± 1.1 lb)



# Introduction -> Device Parameters



DS-KC001 monitoring tablet (Optional)

Screen	7-inch Touch-Screen
Display resolution	1024 * 600
Records quantity	100,000
Dimension (W x H x D)	200 mm × 140 mm × 15.5 mm (7.87" × 5.51" × 0.61")
Weight	419.3 g (without package)

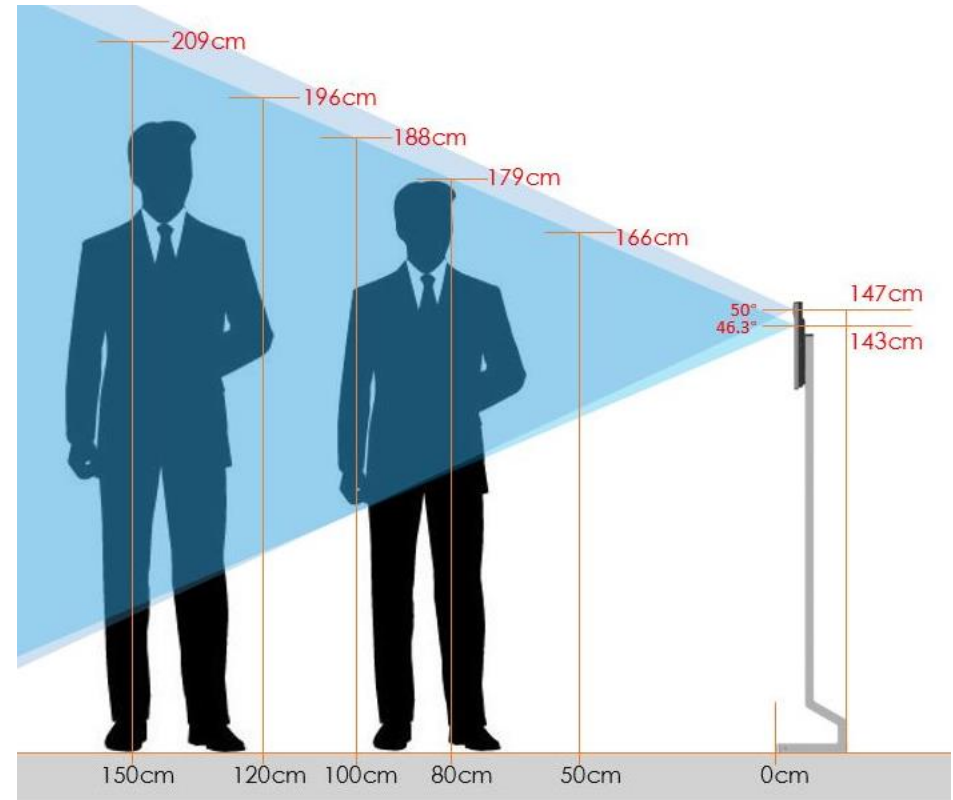




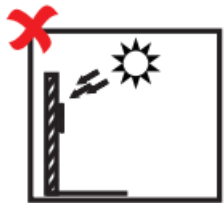
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## Preparation -> Site Selection

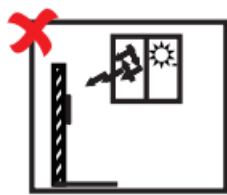
1. **Indoor and windless environment use only.** Indoor environment temperature must be 10 ~ 35°C. If beyond this range, the temperature measurement accuracy of the device cannot be guaranteed.
2. The device should be at least 2 meters away from the light, and at least 3 meters away from the window.
3. Make sure the environment illumination is more than 100 Lux. (Similar with 10W LED lamp)
4. Suggest installation height is 1.4 m.
5. LAN cable available. Terminal doesn't support WiFi.
6. Power source available.



Backlight



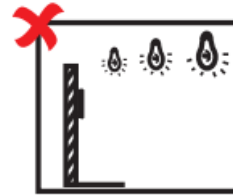
Direct Sunlight



Indirect Sunlight through Window



Direct Sunlight through Window



Close to Light

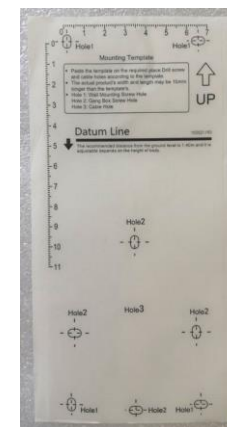
# Preparation -> Unbox Terminal



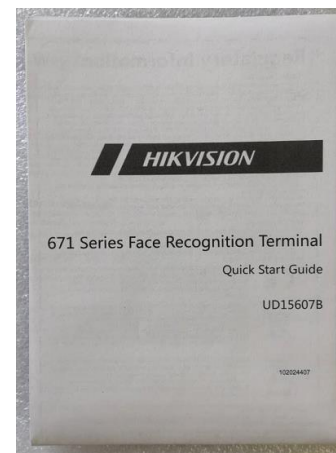
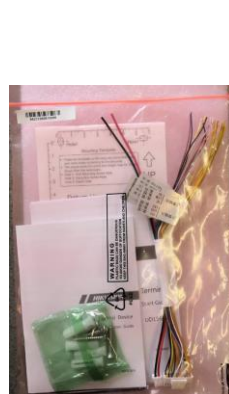
Thermal MinMoe Terminal



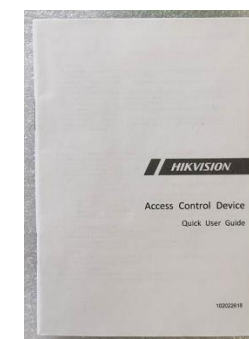
Bracket



Accessories



Quick Start Guide



Quick User Manual

# Preparation -> Unbox Floor Stand Pole

Package



Pole and accessories



## Preparation -> Accessories and Tools



### Accessories for each terminal

1. Qualified power adapter - 12V DC, 2A.
2. LAN Cable.
3. Gang box (optional).

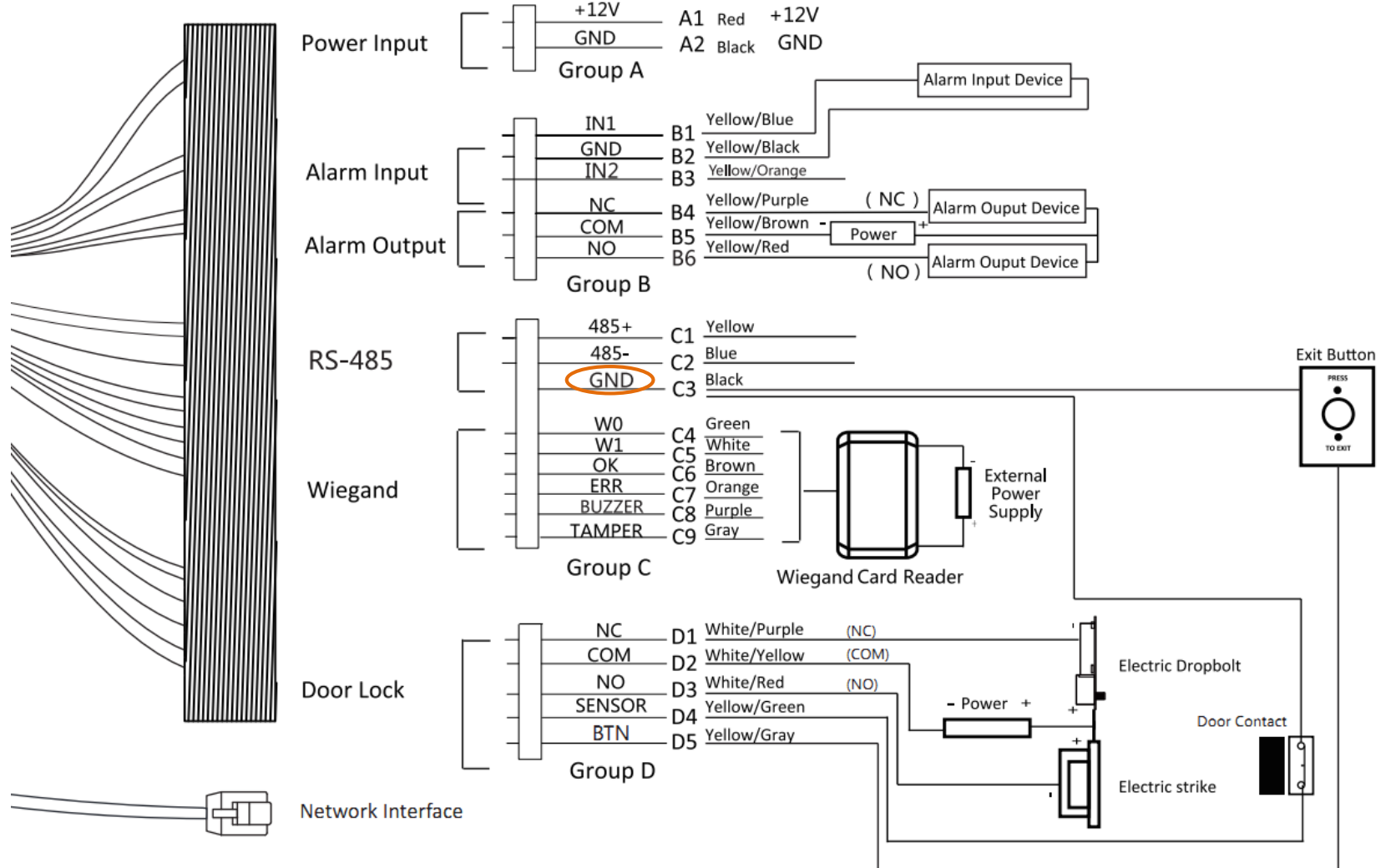
### Tools

Screwdriver set (Compulsory), wire stripper, impact drill, etc.

- Introduction
- Preparation
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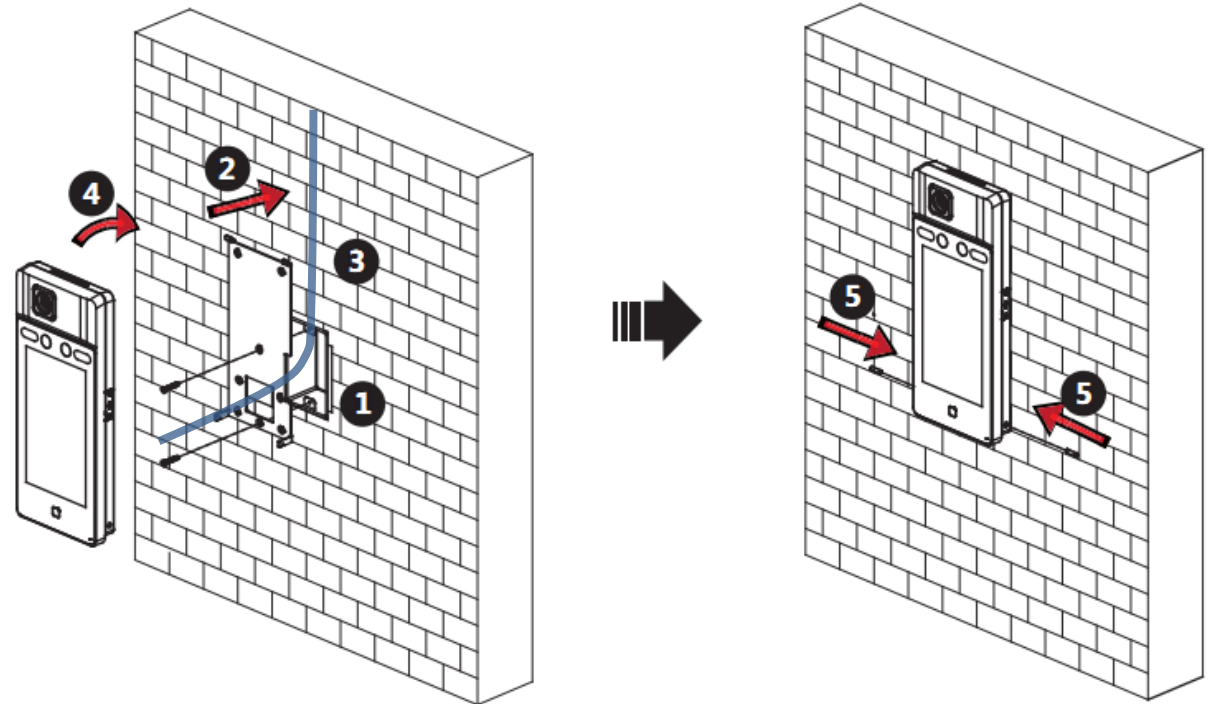
# Installation -> Terminal Wire Connection

1. GND is the common interface for RS-485, exit button, and door contact sensor.
2. If exit reader, touchless exit button, security unit, or lock is used, need to arrange a power adapter which can give enough power output for all of the devices.
3. Please ensure that the equipment is powered off during the installation and wiring.



## Installation -> Wall Mounting

1. Drill holes on the wall and install **gang box**.
2. Secure the **mounting plate** on the gang box and wall.
3. Route the **cables** through the cable hole of the mounting plate, and connect to the corresponding external devices.
4. Align the device with the mounting plate and hang the **terminal** on the mounting plate.
5. Use screwdriver to **secure** terminal on mounting plate.





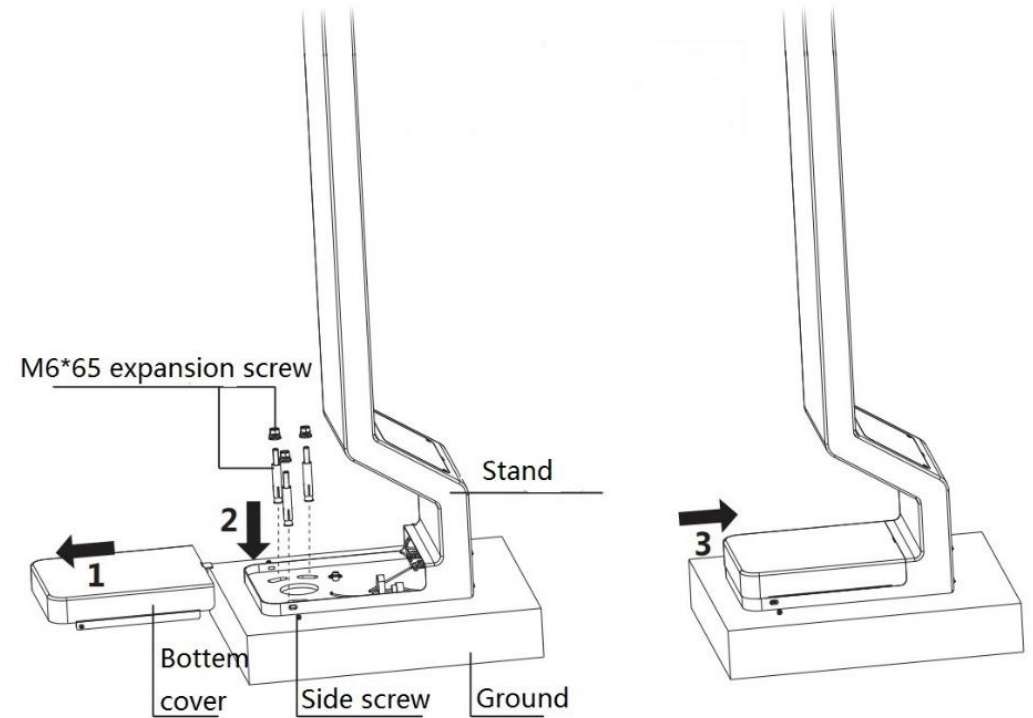
## Installation -> Pole Mounting

### Install floor stand pole

1. Unscrew the two screws on the side of the bottom cover and **remove bottom cover**.
2. Install the expansion screws in the package into the holes at bottom. Make sure the expansion screw is slightly above the ground and **secure** it with nut.
3. Connect **cables** inside pole.
4. Move back the bottom **cover** and screw back the two screws on the side.

### Install terminal on the pole

1. Connect wires of terminal.
2. Fix terminal on the pole.



- Introduction
- Preparation
- Installation
- **Local GUI Configuration**
- Operation
- Q&A

A yellow rectangular label with the text "SMALL TIP" in black, bold, uppercase letters, tilted at an angle. It is positioned to the left of the main text.

Keep everything the latest version.

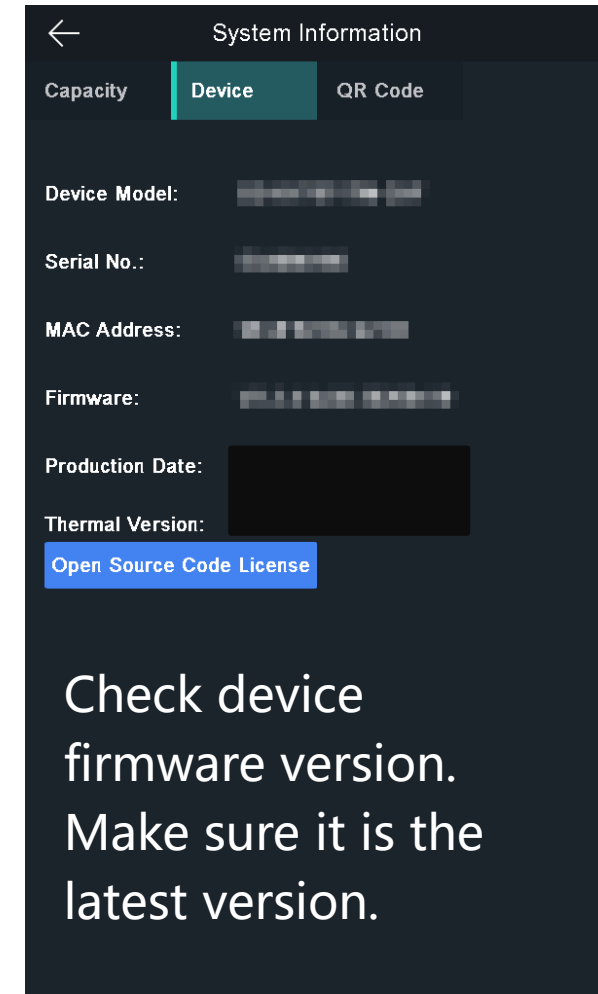
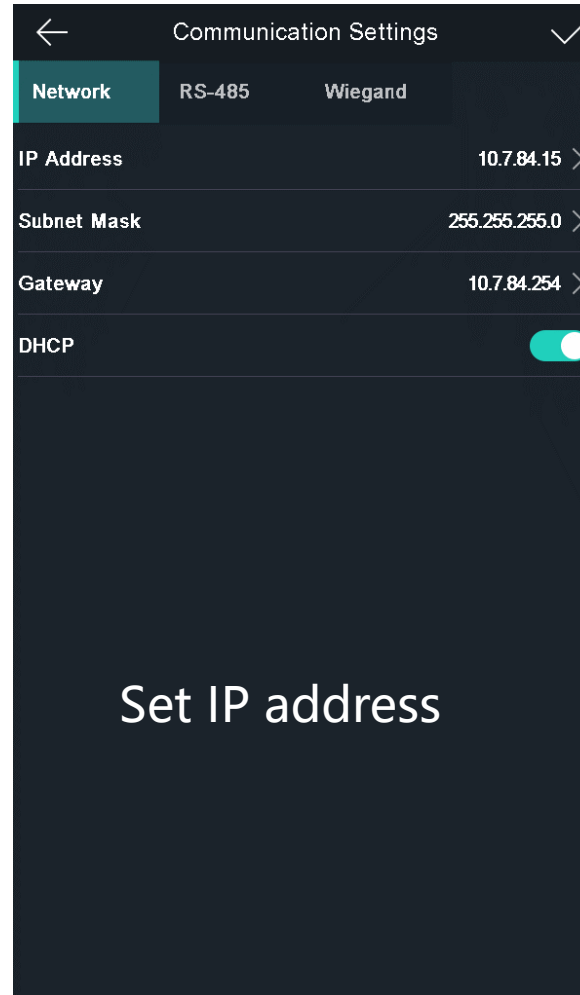
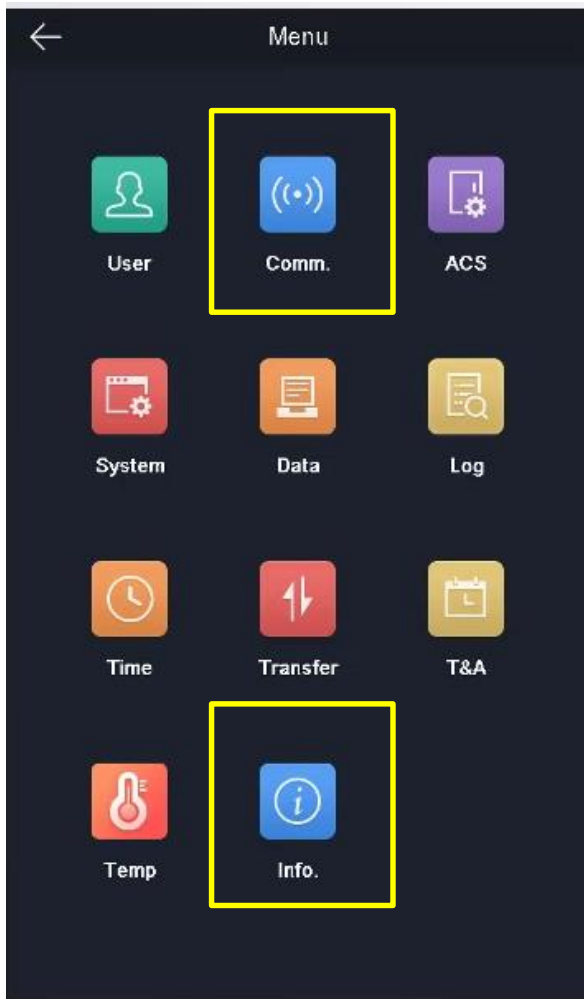
## Firmware & iVMS-4200

Where to find the latest?

- UK PORTAL
- HIKVISION WEBSITE

# Configuration -> Basic Settings

1. Activate the device.
2. Press on the screen for 3 seconds to input password and enter local menu.



See Far, Go Further

Firmware:

[http://www.hikvisioneurope.com/uk/portal/?dir=portal/Product%20Firmware/00%20Temperature%20Screening/Temperature%20MinMoe%20%28DS-K1T671TM-3XF%26DS-K5604A-3XF\\_V%29/firmware](http://www.hikvisioneurope.com/uk/portal/?dir=portal/Product%20Firmware/00%20Temperature%20Screening/Temperature%20MinMoe%20%28DS-K1T671TM-3XF%26DS-K5604A-3XF_V%29/firmware)

# Configuration -> Firmware explained



UK PORTAL



\*normally no need to upgrade

# Configuration -> Device Upgrading



## Upgrading Terminal firmware & Thermal camera

## Upgrading MCU

Settings

- System
  - Device Information
  - User
  - Time
- System Maintenance**
- RS-485
- Security
- Network
- Alarm
- Others
- Image
- Operation
- Status

**System Maintenance**

**Reboot**

Reboot

**Default**

Restore Default

Restore Part of Settings

Restore All

**Import Parameters**

Configuration File  Browse Import

Status

**Export Parameters**

Export Configuration File

**Upgrade**

Select Type **Access Controller**

File  Browse Upgrade

Status

**System Maintenance**

**Reboot**

Reboot

**Default**

Restore Default

Restore Part of Settings

Restore All

**Import Parameters**

Configuration File  Browse

Status

**Export Parameters**

Export Configuration File

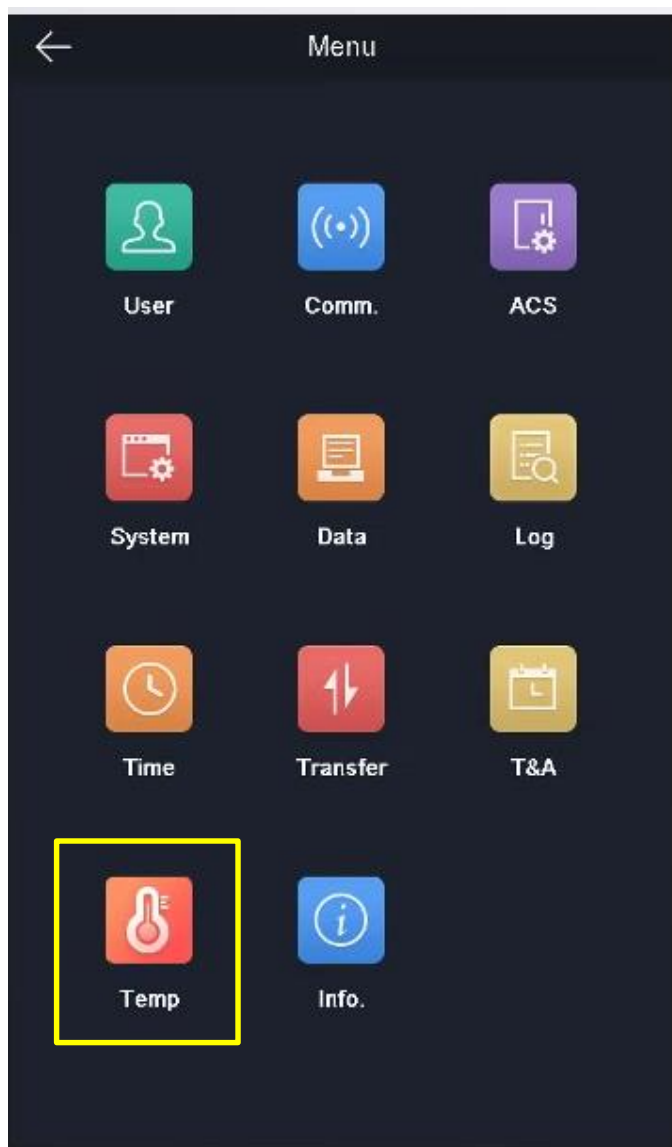
**Upgrade**

Select Type **Extension Module**

Extension Module No. **1**

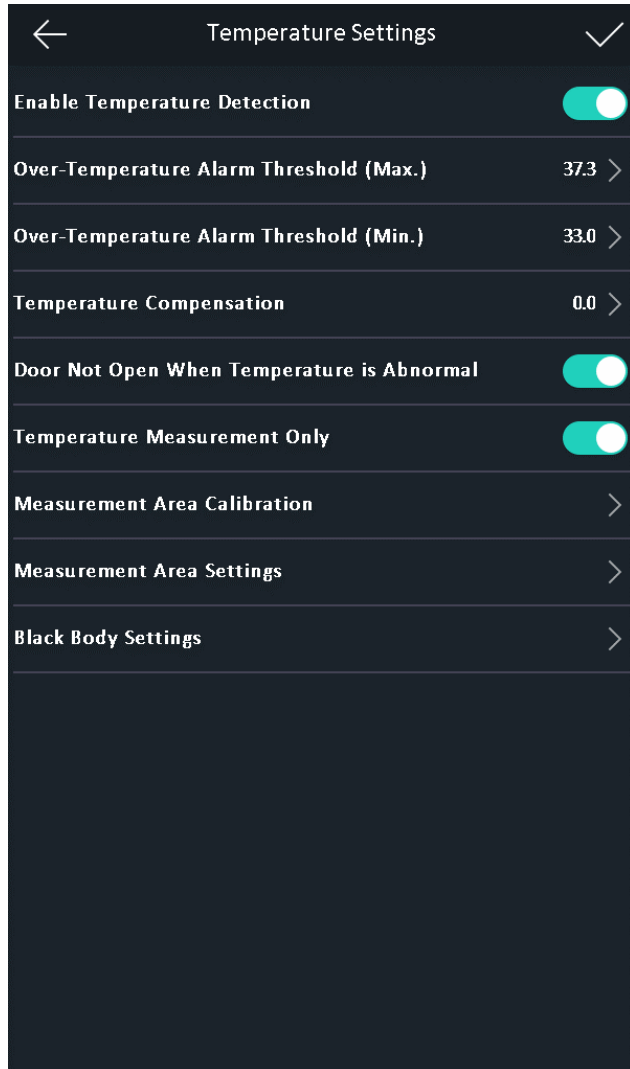
File  Browse

# Configuration -> Temperature Settings



See Far, Go Further

# Configuration -> Temperature Settings



If disable, terminal won't detect temperature, it will work as a traditional access control terminal.

When measured temperature is larger than Max. value or smaller than Min. value, alarms will be triggered.

For calibration purpose. Please refer to calibration guide. Calibration is recommended once per year.

To determine whether the abnormal temperature can open the door or not.

If enabled, anyone with normal temperature can open the door. If disabled, only authorized persons with normal temperature can.

Not required.

Not required.

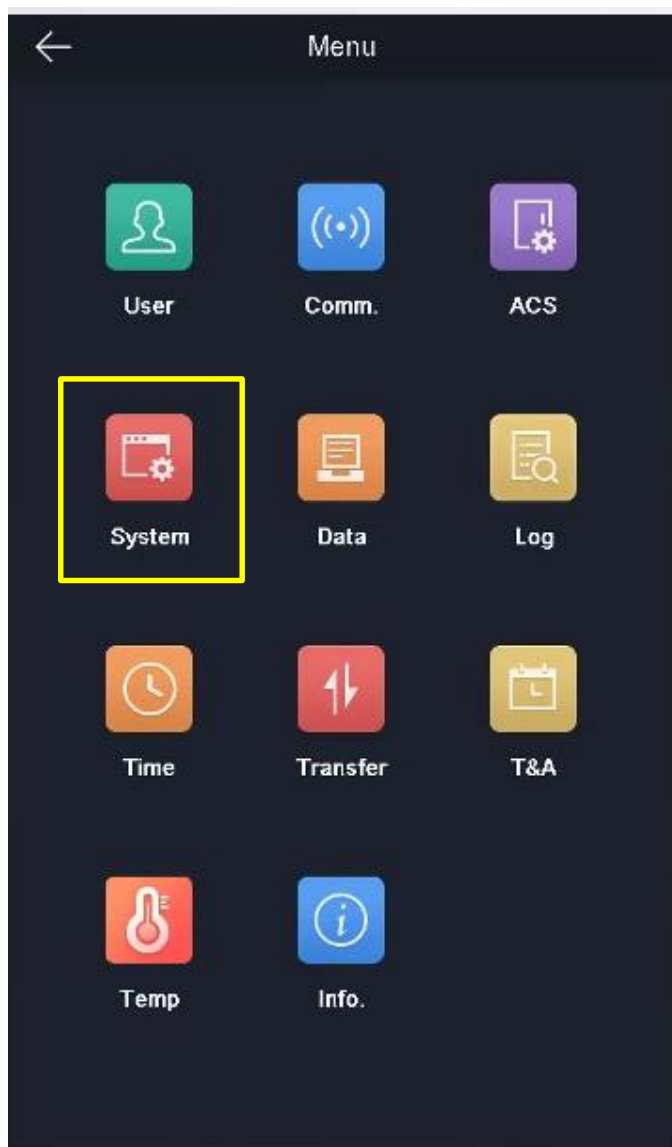
For blackbody setting. Optional.

### Note:

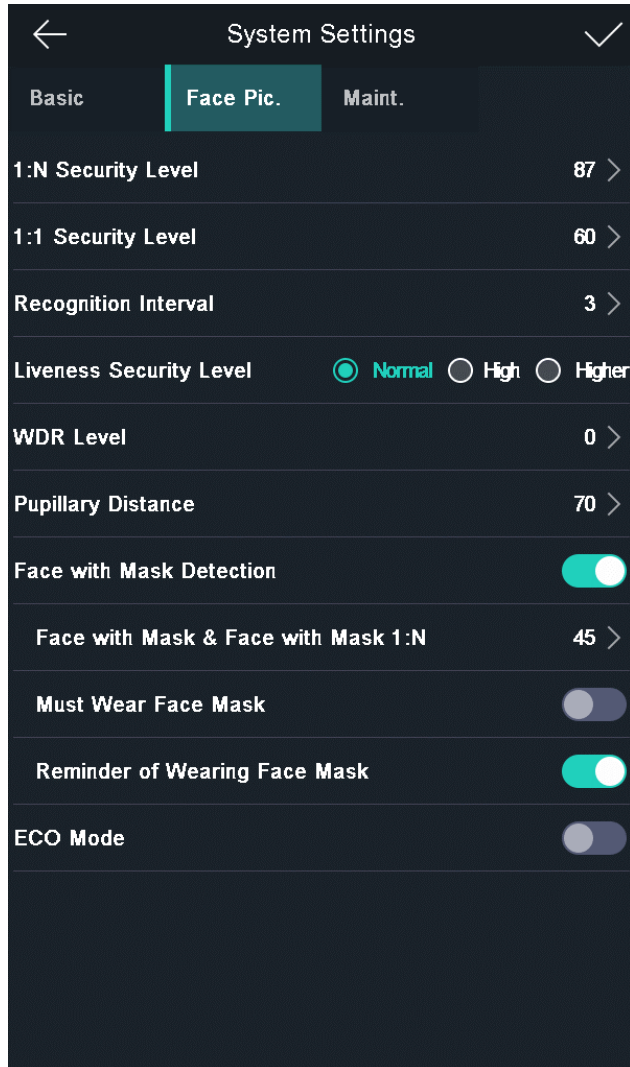
- Temperature Measurement Only mode is suitable for public venues such as supermarket, hospital, museum, restaurants, etc. For office building, recommend to disable it.



# Configuration -> Mask Settings



# Configuration -> Mask Settings



Anti-spoofing

Smaller value -> larger authentication distance

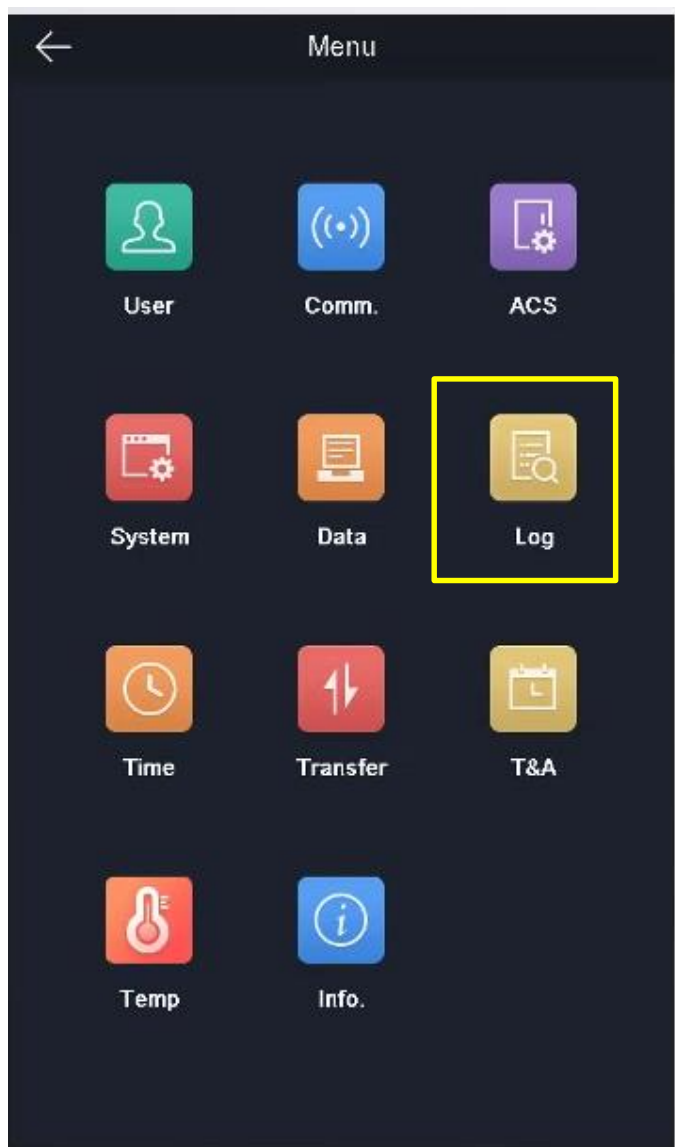
If disabled, terminal won't detect a face with mask.

Similarity level when terminal recognizes a face with mask.

If enabled, terminal won't open the door for the person without a mask.

If enabled, terminal will prompt a visual reminder on the local screen for the person without a mask.

# Local Operation -> Log query



# Local Operation -> Log query



Support search log by person ID, card number and person name.

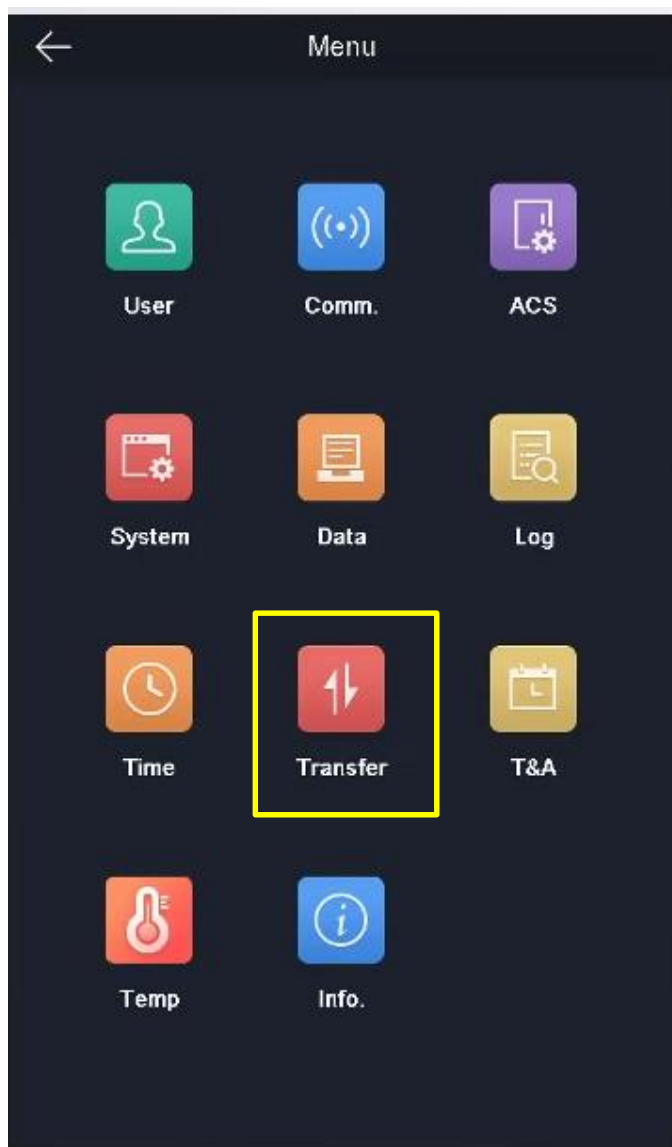
Abnormal temperature will be marked as red.

The screenshot shows the 'Log Query' interface with the following settings:

- ID: 3
- Time filters: Custom (selected), Yesterday, This Week, Last Week, This Month, Last Month, All
- Start: 2020.04.23 00:00
- End: 2020.04.23 23:59

ID	Name	Time	No.
3	Laxor Yue	2020-04-23 14:17:40	36.8
3	Laxor Yue	2020-04-23 14:18:12	37.4
3	Laxor Yue	2020-04-23 14:18:58	36.6
3	Laxor Yue	2020-04-23 14:19:07	36.9
3	Laxor Yue	2020-04-23 14:19:10	36.6
3	Laxor Yue	2020-04-23 14:31:31	36.9
3	Laxor Yue	2020-04-23 14:41:57	36.4

# Local Operation -> Export records

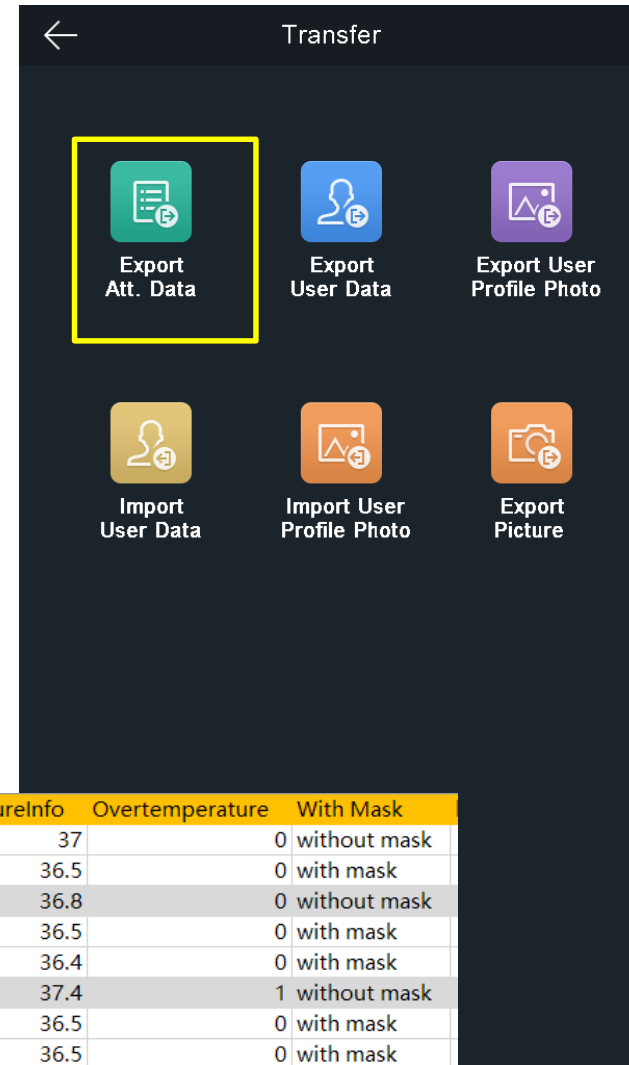


# Local Operation -> Export records

Export authentication records to USB. (Default file name: Allevent.csv)

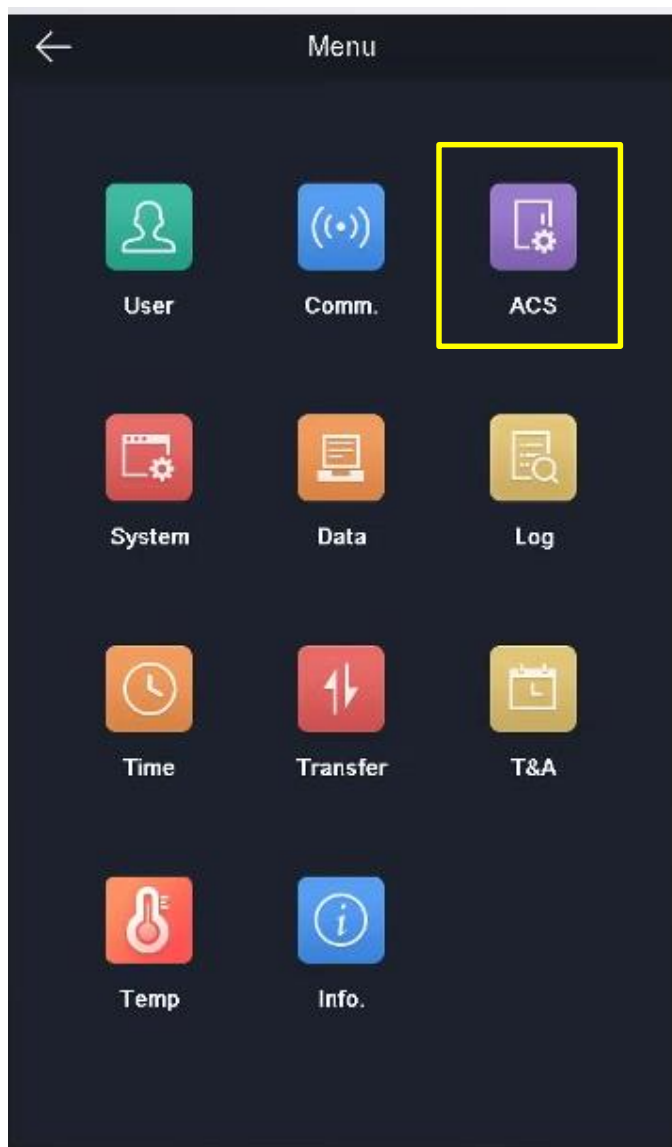
Note:

- The exported captured pictures are encrypted.



Employee ID	Card No.	QR code URL	Name	Time	Card Reader No.	checkinOrout	temperatureInfo	Overtemperature	With Mask
'	'			2020/4/23 14:16:26	1	no checkinOrout data	37	0	without mask
'	'			2020/4/23 14:16:53	1	no checkinOrout data	36.5	0	with mask
'3	'		Laxor Yue	2020/4/23 14:17:40	1	no checkinOrout data	36.8	0	without mask
'	'			2020/4/23 14:17:48	1	no checkinOrout data	36.5	0	with mask
'	'			2020/4/23 14:17:51	1	no checkinOrout data	36.4	0	with mask
'3	'		Laxor Yue	2020/4/23 14:18:12	1	no checkinOrout data	37.4	1	without mask
'	'			2020/4/23 14:18:16	1	no checkinOrout data	36.5	0	with mask
'	'			2020/4/23 14:18:20	1	no checkinOrout data	36.5	0	with mask

# A LITTLE BIT MORE...



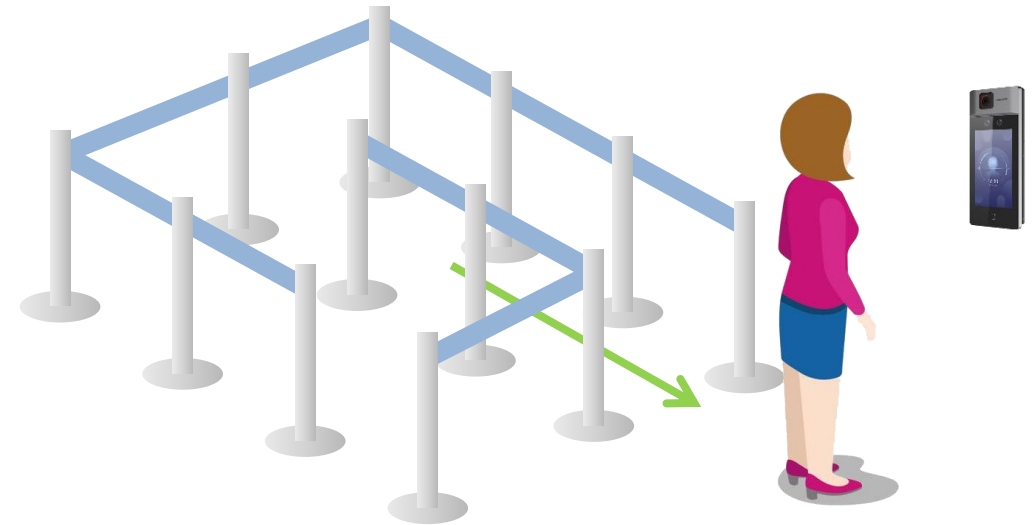
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  - Configuration
  - **Operation**
  - Q&A
- { Daily Use Recommendation  
iVMS-4200 Operation



## Operation -> Daily Use Recommendation

- After Thermal MinMoe is powered on, please wait for 90 minutes to warm up.
- Recommend to wait for 3 minutes indoors (including walking indoors) to get the most accurate result.
- It is better to take off the hat after entering the building to make **forehead temperature** normal.
- Make sure the forehead is visible when standing in front of the terminal.



- Recommended: walk from left to right to stand in front of terminal. So that the persons waiting in queue won't show up in terminal live view screen.

# Thermal MinMoe + iVMS-4200

# Basic Settings & Real-time monitoring

# Operation -> iVMS-4200 Operation

## Face + Temperature mode

1. Add device.
2. Register person.
3. Apply person.
4. Check real-time events in the monitoring and receive quick pop up alarms

### Note:

- When temperature is abnormal, device will trigger alarm output automatically, no need configuration. (Not able to disable)
- Device will upload normal image and thermal image both to iVMS-4200 after face is authenticated.
- No need storage server to save the captured images.

See Far, Go Further

The screenshot displays the iVMS-4200 software interface. At the top right is the HIKVISION logo. The main window is divided into several sections:

- Monitoring Panel:** Shows a person's profile (LYNN) with a normal face image and a thermal image. The temperature is 41.7. The 'Monitoring' tab is highlighted in yellow.
- Event Log Table:** A table with columns: Card No., Person..., Organization, Event Time, Door Location, Temperature, Abnormal Temper..., Authentica..., Direction, Description, and Wear Mask. The 'Temperature' and 'Wear Mask' columns are circled in yellow. The table contains multiple rows of event data.
- Person Detail Panel:** Shows a person's profile with a normal face image and a thermal image. The temperature is 38.7°C. The 'Person' tab is highlighted in yellow.

Card No.	Person...	Organization	Event Time	Door Location	Temperature	Abnormal Temper...	Authentica...	Direction	Description	Wear Mask
-	-	-	2020-06-09 16:48:24	Thermal MinMoe:Door1	-	-	-	to	Door Locked	Unknown
123456	LYNN	New Organi...	2020-06-09 16:48:19	Door1	36.6°C	No	Card/Face	Enter	Face Authentication Pass...	No
-	LYNN	New Organi...	2020-06-09 16:48:19	-	36.6°C	No	Card/Face	Enter	No Mask	No
-	-	-	2020-06-09 16:48:19	Thermal MinMoe:Door1	-	-	-	to	Door Unlocked	Unknown
-	-	-	2020-06-09 16:46:41	Thermal MinMoe:Door1	-	-	-	to	Door Locked	Unknown
123456	LYNN	New Organi...	2020-06-09 16:46:36	Door1	36.6°C	No	Card/Face	Enter	Face Authentication Pass...	No
-	LYNN	New Organi...	2020-06-09 16:46:36	-	36.6°C	No	Card/Face	Enter	No Mask	No
-	-	-	2020-06-09 16:46:35	Thermal MinMoe:Door1	-	-	-	to	Door Unlocked	Unknown
123456	LYNN	New Organi...	2020-06-09 16:46:35	Door1	36.6°C	No	Card/Face	Enter	Normal Card Authentica...	Unknown
-	-	-	2020-06-09 16:45:35	Thermal MinMoe:Door1	-	-	-	to	Door Locked	Unknown
123456	LYNN	New Organi...	2020-06-09 16:45:30	Door1	35.5°C	No	Card/Face	Enter	Face Authentication Pass...	No
-	LYNN	New Organi...	2020-06-09 16:45:30	-	35.5°C	No	Card/Face	Enter	No Mask	No
-	-	-	2020-06-09 16:45:28	Thermal MinMoe:Door1	-	-	-	to	Door Unlocked	Unknown
123456	LYNN	New Organi...	2020-06-09 16:45:28	Door1	36.7°C	No	Card/Face	Enter	Face Authentication Pass...	No
-	LYNN	New Organi...	2020-06-09 16:45:28	-	36.7°C	No	Card/Face	Enter	No Mask	No

## Temperature measurement only mode

### 4. Real-time events in monitoring page

Note:

- In **Temperature Measurement Only** mode, only thermal image is taken for now.

The screenshot shows the iVMS-4200 Monitoring interface. At the top, there are navigation tabs: Report, Main View, Person, Event Center, Monitoring (selected), Maintenance and Management, and Access Control. Below the tabs, there are control buttons for door operations: Unlock Door, Lock Door, Remain Unlocked, Remain Locked, Capture, Remain All Unlocked, and Remain All Closed. The main area displays a thermal image of a person, labeled 'Door1\_Thermal Min...'. Below the image is a table of event logs.

Card No.	Person...	Organization	Event Time	Door Location	Temperature	Ab...	Authentica...	Direction	Description	Wear Mask
-	-	-	2020-06-09 16:33:22	Thermal MinMoe:Door1	-	-	-	to	Door Locked	Unknown
-	-	-	2020-06-09 16:33:17	Thermal MinMoe:Door1	-	-	-	to	Door Unlocked	Unknown
-	-	-	2020-06-09 16:33:19	-	35.7°C	No	-	to	Skin-Surface Temperatu...	Unknown
-	-	-	2020-06-09 16:33:17	-	-	-	-	to	Alarm Output Off	Unknown
-	-	-	2020-06-09 16:33:14	-	-	-	-	to	Alarm Output On	Unknown
-	-	-	2020-06-09 16:33:16	-	44.9°C	Yes	-	to	Abnormal Temperature	Unknown
-	-	-	2020-06-09 16:33:16	-	44.9°C	Yes	-	to	Skin-Surface Temperatu...	Unknown
-	-	-	2020-06-09 16:33:13	Thermal MinMoe:Door1	-	-	-	to	Door Locked	Unknown
-	-	-	2020-06-09 16:33:12	-	-	-	-	to	Alarm Output Off	Unknown
-	-	-	2020-06-09 16:33:09	-	-	-	-	to	Alarm Output On	Unknown
-	-	-	2020-06-09 16:33:12	-	44.4°C	Yes	-	to	Abnormal Temperature	Unknown
-	-	-	2020-06-09 16:33:12	-	44.4°C	Yes	-	to	Skin-Surface Temperatu...	Unknown
-	-	-	2020-06-09 16:33:08	Thermal MinMoe:Door1	-	-	-	to	Door Unlocked	Unknown
-	-	-	2020-06-09 16:33:10	-	36.8°C	No	-	to	Skin-Surface Temperatu...	Unknown
-	-	-	2020-06-09 16:33:07	Thermal MinMoe:Door1	-	-	-	to	Door Locked	Unknown

On the right side of the interface, there is a 'Person' section with a 'Linked Capture Picture' button. Below this, a thermal image of a person is displayed with a red crosshair and the text 'Max 67.0°C' overlaid on the person's forehead.

# Operation -> iVMS-4200 Operation



## 5. Configure terminal parameters

Remote configuration → Others → Access Control parameters

The screenshot shows the 'Settings' interface for iVMS-4200. On the left is a navigation menu with categories: System, Network, Alarm, Others, Access Control Parameters (highlighted), Face Recognition Terminal Settings, Face Picture Parameters, Supplement Light Parameters, No. Settings, Image, Operation, and Status. The main area is titled 'Access Control Parameters' and contains several settings:

- Audio Prompt
- Upload Pictures after Cap...
- Save Captured Pictures
- Fast Temperature Measu...  **If enabled, meaning temperature only mode; otherwise, authorized access mode**
- Door Not Open When Det...  **Door not open when temperature is abnormal**
- Must Wear Face Mask  **Must wear face mask**  
After enabling this function, if the authenticated person does not wear a face mask, the door will not open.
- Over-Temperature Alarm...  °C **Temperature alarm threshold**  
The threshold should be between 33 °C and 44.9 °C. The Max. threshold should be larger than the Min. one.

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

# Search and Export Events

# Operation -> iVMS-4200 Operation



## 6. Search history events

Note:

- Select device type as **Access Control** to get temperature information.
- Click Show More, to search event by person name, card No. etc.

A vertical sidebar for event search filters. It includes dropdown menus for Status (All), Event Type (All), Card Reader Type (All), and Organization. There are input fields for Person Name, Card No., and Organization. A 'Hide' button is at the bottom, and a red 'Search' button is at the very bottom.

The main interface of the iVMS-4200 Event Center. It features a top navigation bar with tabs for Access Control, Person, Main View, Monitoring, Event Center (selected), and Maintenance and Management. A left sidebar contains 'Event Search' and 'Real-time Event' options. The central area shows a list of events with columns for Index, Event Type, Card No., Temperature, Abnormal status, Event Time, We..., Device Name, and Event Source. A 'Show More' button is highlighted in yellow at the bottom of the filter sidebar. Below the event list, there is an 'Event Details' section with fields for ID, Person Name, Gender, Organization, ID Type, ID No., Phone No., and Address. A red 'Search' button is at the bottom of the main interface.

Index	Event Type	Card No.	Card No.	Temperature	Abnormal ...	Event Time	We...	Device Name	Event Source
1	Door Locked			-	-	2020-06-17 13:18:44	Un...	office entrance	Door1
2	Skin-Surface Te...			36.4°C	No	2020-06-17 13:18:40	Yes	office entrance	
3	Door Unlocked			-	-	2020-06-17 13:18:39	Un...	office entrance	Door1
4	Local: Login			-	-	2020-06-17 13:18:25	Un...	office entrance	office entrance
5	Door Locked			-	-	2020-06-17 13:18:24	Un...	office entrance	Door1
6	Skin-Surface Te...			36.4°C	No	2020-06-17 13:18:20	Yes	office entrance	
7	Door Unlocked			-	-	2020-06-17 13:18:19	Un...	office entrance	Door1
8	Remote: Login			-	-	2020-06-17 13:17:45	Un...	office entrance	office entrance
9	Remote: Logout			-	-	2020-06-17 13:17:45	Un...	office entrance	office entrance
10	Door Locked			-	-	2020-06-17 13:02:13	Un...	office entrance	Door1



# Operation -> iVMS-4200 Operation



## 7. Export events

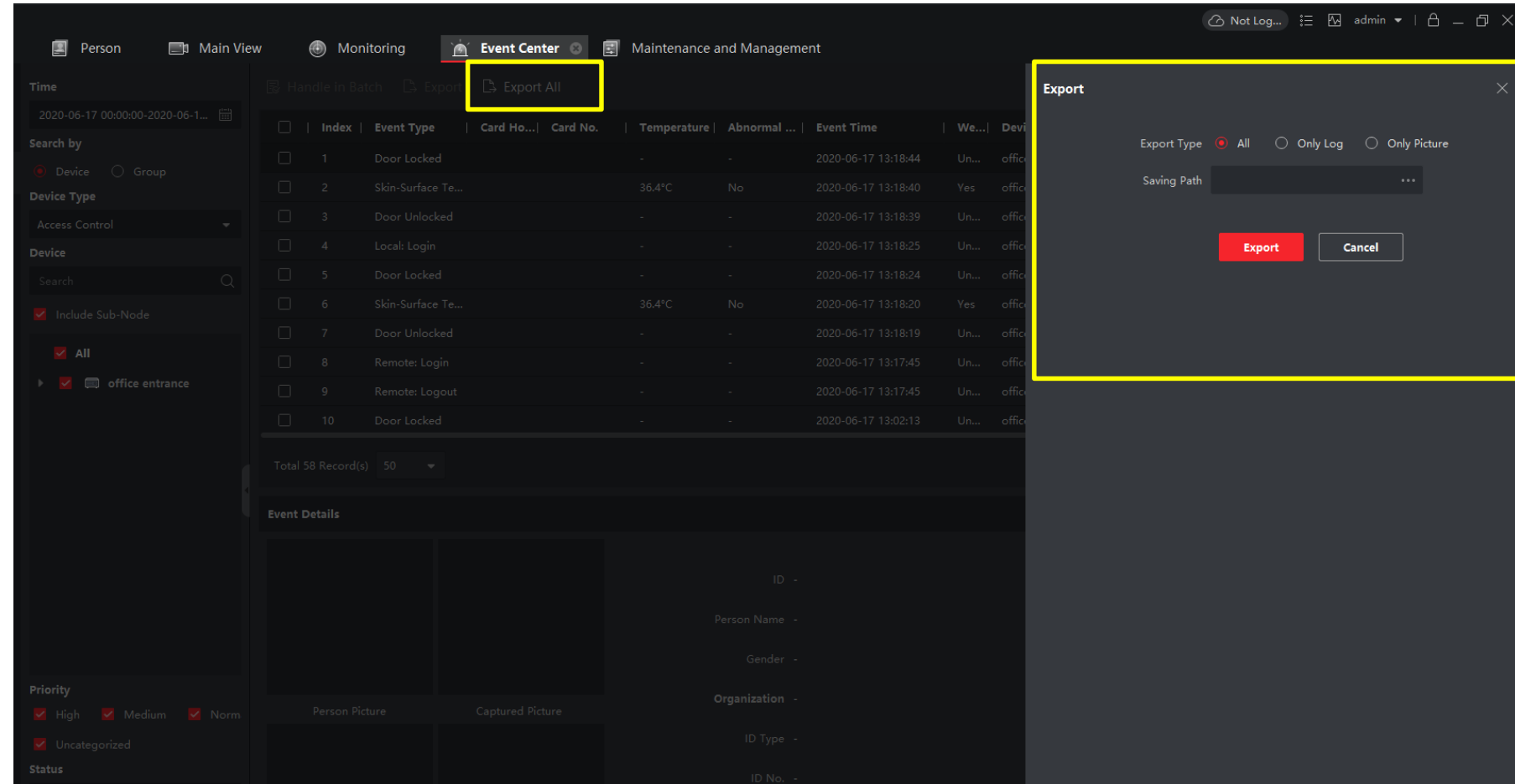
Exported sample file:

iVMS-4200 Exported Events

iVMS-4200 Exported Events.csv

### Note:

- Both images and temperature details can be exported.



Captured Picture Path	Therr	Pictur	Card Hold	Card No.	Temperat	Abnormal	Event Time	Device Name	Event Source	Direction	MAC Addr	Authentication	Card Type	Card Read	Priority
					-	-	28/05/2020 17:41	Thermal MinMoe	Thermal MinMoe	None	-	-	Invalid	Invalid	0
C:/Users/zhangshihong/Desktop/thermal pic/thermal records/BD6A71D1A45747E38EC59B441B127899_1.png			Lynn	'38131975	41.8°C	Yes	28/05/2020 17:41	Thermal MinMoe	Entrance Card Reader1	Enter		Card/Face	Normal C	Invalid	0
					-	-	28/05/2020 17:41	Thermal MinMoe	Thermal MinMoe	None	-	-	Invalid	Invalid	0
					-	-	28/05/2020 17:41	Thermal MinMoe	Thermal MinMoe	None	-	-	Invalid	Invalid	0
					-	-	28/05/2020 17:41	Thermal MinMoe	Door1	None	-	-	Invalid	Invalid	0
C:/Users/zhangshihong/Desktop/thermal pic/thermal records/393EC893F5F3479DBEE49A702B7365D7_1.png			Lynn	'38131975	44.5°C	Yes	28/05/2020 17:41	Thermal MinMoe	Entrance Card Reader1	Enter		Card/Face	Normal C	Invalid	0

See Far, Go Further

# Alarm handling on iVMS-4200

# Operation -> iVMS-4200 Operation -> alarm linkage



The screenshot displays the iVMS-4200 'Maintenance and Management' interface. The left sidebar shows the navigation menu with 'Access Event' highlighted. The main content area features a table of alarm events with columns for 'Event Type', 'Priority', 'Trigger Client Action', 'Linked Camera', and 'Enable'. The 'Abnormal Temperature' event is highlighted in the table. The 'Edit Linkage' button is also highlighted in the top toolbar.

Event Type	Priority	Trigger Client Action	Linked Camera	Enable
<input type="checkbox"/> AC Power Loss	Uncategorized	Audible Warning/Display on Map	None	<input checked="" type="checkbox"/>
<input type="checkbox"/> AC Power Restored	Uncategorized	Audible Warning/Display on Map	None	<input checked="" type="checkbox"/>
<input type="checkbox"/> Abnormal Temperature	High	Audible Warning/Send Email/Pop-up Wind...	Camera1_Thermal M...	<input checked="" type="checkbox"/>
<input type="checkbox"/> Active Infrared Intrusion Detector Exception	Uncategorized	Audible Warning/Display on Map	None	<input checked="" type="checkbox"/>
<input type="checkbox"/> Active Infrared Intrusion Detector Recovered	Uncategorized	Audible Warning/Display on Map	None	<input checked="" type="checkbox"/>
<input type="checkbox"/> Anti-Passback Server and Controller Disconnected	Uncategorized	Audible Warning/Display on Map	None	<input checked="" type="checkbox"/>
<input type="checkbox"/> Battery Low Voltage	Uncategorized	Audible Warning/Display on Map	None	<input checked="" type="checkbox"/>
<input type="checkbox"/> Battery Voltage Recovered	Uncategorized	Audible Warning/Display on Map	None	<input checked="" type="checkbox"/>
<input type="checkbox"/> CAN Bus Exception	Uncategorized	Audible Warning/Display on Map	None	<input checked="" type="checkbox"/>
<input type="checkbox"/> CAN Bus Exception Recovered	Uncategorized	Audible Warning/Display on Map	None	<input checked="" type="checkbox"/>
<input type="checkbox"/> COM Port Connected	Uncategorized	Audible Warning/Display on Map	None	<input checked="" type="checkbox"/>
<input type="checkbox"/> COM Port Disconnected	Uncategorized	Audible Warning/Display on Map	None	<input checked="" type="checkbox"/>
<input type="checkbox"/> Call Center	Uncategorized	Audible Warning/Display on Map	None	<input checked="" type="checkbox"/>
<input type="checkbox"/> Camera Connected	Uncategorized	Audible Warning/Display on Map	None	<input checked="" type="checkbox"/>
<input type="checkbox"/> Camera Disconnected	Uncategorized	Audible Warning/Display on Map	None	<input checked="" type="checkbox"/>
<input type="checkbox"/> Capture Linkage and Trigger Alarm	Uncategorized	Audible Warning/Display on Map	None	<input checked="" type="checkbox"/>
<input type="checkbox"/> Communicated with IR Adaptor Exception	Uncategorized	Audible Warning/Display on Map	None	<input checked="" type="checkbox"/>
<input type="checkbox"/> Communication with IR Adaptor Recovered	Uncategorized	Audible Warning/Display on Map	None	<input checked="" type="checkbox"/>
<input type="checkbox"/> Communication with Light Board Failed	Uncategorized	Audible Warning/Display on Map	None	<input checked="" type="checkbox"/>
<input type="checkbox"/> Communication with Light Board Recovered	Uncategorized	Audible Warning/Display on Map	None	<input checked="" type="checkbox"/>
<input type="checkbox"/> Connection between Anti-Passback Server and Control...	Uncategorized	Audible Warning/Display on Map	None	<input checked="" type="checkbox"/>
<input type="checkbox"/> Data Corruption	Uncategorized	Audible Warning/Display on Map	None	<input checked="" type="checkbox"/>
<input type="checkbox"/> Device Not Authorized	Uncategorized	Audible Warning/Display on Map	None	<input checked="" type="checkbox"/>
<input type="checkbox"/> Device Offline	Uncategorized	Audible Warning/Display on Map	None	<input checked="" type="checkbox"/>
<input type="checkbox"/> Device Tamper Restored	Uncategorized	Audible Warning/Display on Map	None	<input checked="" type="checkbox"/>
<input type="checkbox"/> Device Tampered	Uncategorized	Audible Warning/Display on Map	None	<input checked="" type="checkbox"/>

# Operation -> iVMS-4200 Operation -> alarm linkage



The screenshot displays the iVMS-4200 software interface. The top navigation bar includes 'Report', 'Main View', 'Person', 'Event Center', 'Monitoring', 'Maintenance and Management', and 'Access Control'. The left sidebar shows 'Access Event' with sub-items like 'Alarm Event', 'Storage Schedule', 'Account Management', 'System Configuration', and 'System Log'. The main area shows a list of alarm events with columns for 'Priority' and 'Trigger Client Act'. A 'Modify Priority' dialog is open over the 'Thermal MinMoe' event, with 'High' selected. The 'Edit Linkage' dialog is also open, showing 'Event Type Abnormal Temperature' and 'Trigger Client Action' options: All, Audible Warning, Send Email, and Pop-up Window. The 'Linked Camera' is set to 'Camera1\_Thermal MinMoe'. The 'OK' button in the 'Edit Linkage' dialog is highlighted with a mouse cursor.

Event Name	Priority	Trigger Client Act
Active Infrared Intrusion Detector Recovered	Uncategorized	Audible Warning/L
Anti-Passback Server and Controller Disconnected	Uncategorized	Audible Warning/L
Battery Low Voltage	Uncategorized	Audible Warning/L
Battery Voltage Recovered	Uncategorized	Audible Warning/L
CAN Bus Exception	Uncategorized	Audible Warning/L
CAN Bus Exception Recovered	Uncategorized	Audible Warning/L
COM Port Connected	Uncategorized	Audible Warning/L
COM Port Disconnected	Uncategorized	Audible Warning/L
Call Center	Uncategorized	Audible Warning/L
Camera Connected	Uncategorized	Audible Warning/L
Camera Disconnected	Uncategorized	Audible Warning/L
Capture Linkage and Trigger Alarm	Uncategorized	Audible Warning/L
Communicated with IR Adaptor Exception	Uncategorized	Audible Warning/L
Communication with IR Adaptor Recovered	Uncategorized	Audible Warning/L
Communication with Light Board Failed	Uncategorized	Audible Warning/L
Communication with Light Board Recovered	Uncategorized	Audible Warning/L
Connection between Anti-Passback Server and Control...	Uncategorized	Audible Warning/L
Data Corruption	Uncategorized	Audible Warning/L
Device Not Authorized	Uncategorized	Audible Warning/Display on Map
Device Offline	Uncategorized	Audible Warning/Display on Map
Device Tamper Restored	Uncategorized	Audible Warning/Display on Map
Device Tampered	Uncategorized	Audible Warning/Display on Map

# Operation -> iVMS-4200 Operation -> alarm linkage related email setting



The screenshot shows the iVMS-4200 web interface. The 'Maintenance and Management' tab is selected and highlighted with a yellow box. In the left sidebar, 'System Configuration' is also highlighted with a yellow box. The 'Email' sub-tab is active, showing the following configuration fields:

- SMTP Server: smtp.gmail.com
- Encryption Type: Not-Encrypted, SSL, STARTTLS (STARTTLS is selected)
- Port: 587
- Sender Address: [Redacted]
- Security Authentication:
- User Name: [Redacted]
- Password: [Redacted]
- Receiver 1: [Redacted]
- Receiver 2: [Redacted]
- Receiver 3: [Redacted]

Buttons for 'Send Test Email', 'Save', and 'Default Value' are visible at the bottom.

**Abnormal Temperature**  
Yesterday at 17:27

---

Event Time: 2020-06-09 17:27:33  
Event Source: Access Control  
Device: Thermal MinMoe  
Event Details: Linked Camera  
Camera1\_Thermal MinMoe  
Person Name: LYNN  
Abnormal Temperature: Yes  
Wear Mask: No  
Temperature: 44.4°C

The screenshot shows the Google Account 'Security' settings page. A blue arrow points from the 'Password' field in the iVMS-4200 interface to the 'App passwords' section in the Google Account interface.

- Home
- Personal info
- Data & personalisation
- Security**
- People and sharing
- Payments and subscriptions

Security settings shown:

- Password: Last changed 17 Oct 2018
- 2-Step Verification:  On
- App passwords: 10 passwords

Section: Ways that we can verify that it's you  
These can be used to make sure that it's really you signing in or to contact you if there's suspicious activity in your account

# Operation -> iVMS-4200 Operation -> alarm pop up with more details



iVMS-4200 interface showing the Event Center and Alarm Details. The Event Center displays a list of events, and the Alarm Details window shows a video feed and event information.

**Event Center**

Device Type:  Encoding De...  Security Cont...  Video Inter...  Access Contr...  Storage Devi...  Cloud P2P D...  Security Rad...

Priority:  High  Medium  Normal  Uncategorized

Handle in Batch Clear **Disable Alarm Triggered Pop-out Image** Mute

Index	Event Source	Event Type	Event Time	Priority	Event Details
188	Access Control Device:Thermal MinMoe Entrance Card Rea...	Face Authentication Passed	2020-06-09 16:46:36	Uncategorized	Entrance Card Reader1
185	Access Control Device:Thermal MinMoe Entrance Card Rea...	Normal Card Authentication Passed	2020-06-09 16:46:35	Uncategorized	Entrance Card Reader1
186	Access Control Device:Thermal MinMoe Door1	Door Unlocked	2020-06-09 16:46:35	Uncategorized	Door1
184	Access Control Device:Thermal MinMoe Door1	Door Locked	2020-06-09 16:45:35	Uncategorized	Door1
182	Access Control Device:Thermal MinMoe	No Mask	2020-06-09 16:45:30	High	Linked Camera Camera1_Thermal M
183	Access Control Device:Thermal MinMoe Entrance Card Rea...	Face Authentication Passed	2020-06-09 16:45:30	Uncategorized	Entrance Card Reader1
179	Access Control Device:Thermal MinMoe	No Mask	2020-06-09 16:45:28	High	Linked Camera Camera1_Thermal M
180	Access Control Device:Thermal MinMoe Entrance Card Rea...	Face Authentication Passed	2020-06-09 16:45:28	Uncategorized	Entrance Card Reader1
181	Access Control Device:Thermal MinMoe Door1	Door Unlocked	2020-06-09 16:45:28	Uncategorized	Door1
178	Access Control Device:Thermal MinMoe Door1	Door Locked	2020-06-09 16:44:49	Uncategorized	Door1

**Event Details**

Video  Auto-Play Video

Picture  Auto-Play Video

Event Details

Event Source: Access Control Device:Thermal MinMoe

Linked Cam...: Camera1\_Thermal MinMoe

Event Type: Skin-Surface Temperature Measured

Event Time: 2020/06/09 16:22:09

Event Details: Linked Camera Camera1\_Thermal MinMoe1 0.199.13.13

Handling records

Auto-Update Event

## Other related event types:

- No mask
- Skin-surface temperature measured

# Operation -> iVMS-4200 Operation -> quick alarm pop up



The screenshot shows the iVMS-4200 Monitoring interface. The 'Monitoring' tab is highlighted in yellow. An 'Abnormal Temperature' alarm pop-up is displayed, showing a person's photo, name (LYNN), and temperature (41.7). A yellow box highlights the 'Abnormal Temperature Prompt' checkbox in the bottom right corner of the interface.

Event Type	Access Event	Other	Event Status	Normal						
Card No.	Person...	Organization	Event Time	Door Location						
-	-	-	2020-06-09 16:48:24	Thermal MinMoe:Door1						
123456	LYNN	New Organi...	2020-06-09 16:48:19	Door1						
-	LYNN	New Organi...	2020-06-09 16:48:19	-						
-	-	-	2020-06-09 16:48:19	Thermal MinMoe:Door1						
-	-	-	2020-06-09 16:46:41	Thermal MinMoe:Door1						
123456	LYNN	New Organi...	2020-06-09 16:46:36	Door1						
-	LYNN	New Organi...	2020-06-09 16:46:36	-						
-	-	-	2020-06-09 16:46:35	Thermal MinMoe:Door1						
123456	LYNN	New Organi...	2020-06-09 16:46:35	Door1						
-	-	-	2020-06-09 16:45:35	Thermal MinMoe:Door1						
123456	LYNN	New Organi...	2020-06-09 16:45:30	Door1	35.5°C	No	Card/Face	Enter	Face Authentication Pass...	No
-	LYNN	New Organi...	2020-06-09 16:45:30	-	35.5°C	No	Card/Face	Enter	No Mask	No
-	-	-	2020-06-09 16:45:28	Thermal MinMoe:Door1	-	-	-	to	Door Unlocked	Unknown
123456	LYNN	New Organi...	2020-06-09 16:45:28	Door1	36.7°C	No	Card/Face	Enter	Face Authentication Pass...	No
-	LYNN	New Organi...	2020-06-09 16:45:28	-	36.7°C	No	Card/Face	Enter	No Mask	No



# Others – T&A Records

# Operation -> iVMS-4200 Operation -> T&A Records



Note:

- T&A rules need to be configured in advance.

The screenshot displays the 'Time & Attendance' section of the iVMS-4200 interface. The search criteria are set to 'New Organization' for the Department and 'All' for the Data Source. The table below shows a list of attendance records for Person ID 2, with various times and attendance statuses. The 'Temperature' column is highlighted in yellow, showing values ranging from 36.0°C to 37.2°C. The 'ExcessTemperatureACwVWLx' column consistently shows 'No'.

Person ID	Name	Department	Time	Attendance Status	Attendance Check Point	Data Source	Handling Type	Temperature	ExcessTemperatureACwVWLx
2	LYNN	New Organization	2020-06-09 15:43:25	Check-in	Thermal MinMoe_Door1_Entr...	Original Records	--	36.8°C	No
2	LYNN	New Organization	2020-06-09 15:52:49	Check-in	Thermal MinMoe_Door1_Entr...	Original Records	--	37.1°C	No
2	LYNN	New Organization	2020-06-09 15:52:51	Check-in	Thermal MinMoe_Door1_Entr...	Original Records	--	37.1°C	No
2	LYNN	New Organization	2020-06-09 15:56:19	None	Thermal MinMoe_Door1_Entr...	Original Records	--	36.5°C	No
2	LYNN	New Organization	2020-06-09 15:56:21	None	Thermal MinMoe_Door1_Entr...	Original Records	--	36.8°C	No
2	LYNN	New Organization	2020-06-09 15:56:41	None	Thermal MinMoe_Door1_Entr...	Original Records	--	36.8°C	No
2	LYNN	New Organization	2020-06-09 15:56:52	None	Thermal MinMoe_Door1_Entr...	Original Records	--	36.9°C	No
2	LYNN	New Organization	2020-06-09 15:57:12	None	Thermal MinMoe_Door1_Entr...	Original Records	--	36.8°C	No
2	LYNN	New Organization	2020-06-09 15:57:16	None	Thermal MinMoe_Door1_Entr...	Original Records	--	36.8°C	No
2	LYNN	New Organization	2020-06-09 15:57:27	None	Thermal MinMoe_Door1_Entr...	Original Records	--	36.8°C	No
2	LYNN	New Organization	2020-06-09 15:57:53	None	Thermal MinMoe_Door1_Entr...	Original Records	--	37.1°C	No
2	LYNN	New Organization	2020-06-09 15:57:55	None	Thermal MinMoe_Door1_Entr...	Original Records	--	37.2°C	No
2	LYNN	New Organization	2020-06-09 15:58:05	None	Thermal MinMoe_Door1_Entr...	Original Records	--	37.1°C	No
2	LYNN	New Organization	2020-06-09 15:58:07	None	Thermal MinMoe_Door1_Entr...	Original Records	--	37.2°C	No
2	LYNN	New Organization	2020-06-09 15:58:20	None	Thermal MinMoe_Door1_Entr...	Original Records	--	37.1°C	No
2	LYNN	New Organization	2020-06-09 15:58:22	None	Thermal MinMoe_Door1_Entr...	Original Records	--	37.0°C	No
2	LYNN	New Organization	2020-06-09 15:58:32	None	Thermal MinMoe_Door1_Entr...	Original Records	--	37.0°C	No
2	LYNN	New Organization	2020-06-09 15:58:36	None	Thermal MinMoe_Door1_Entr...	Original Records	--	37.0°C	No
2	LYNN	New Organization	2020-06-09 15:58:49	None	Thermal MinMoe_Door1_Entr...	Original Records	--	36.8°C	No
2	LYNN	New Organization	2020-06-09 15:58:51	None	Thermal MinMoe_Door1_Entr...	Original Records	--	36.7°C	No

# Thanks

**Hikvision Digital Technology Co., Ltd.**

No.555 Qianmo Road, Binjiang District

Hangzhou 310052, China

T +86 571 88075998

F +86 571 89935635

[overseasbusiness@hikvision.com](mailto:overseasbusiness@hikvision.com)

[www.hikvision.com](http://www.hikvision.com)