

Model : ON-FRTP8 User Manual

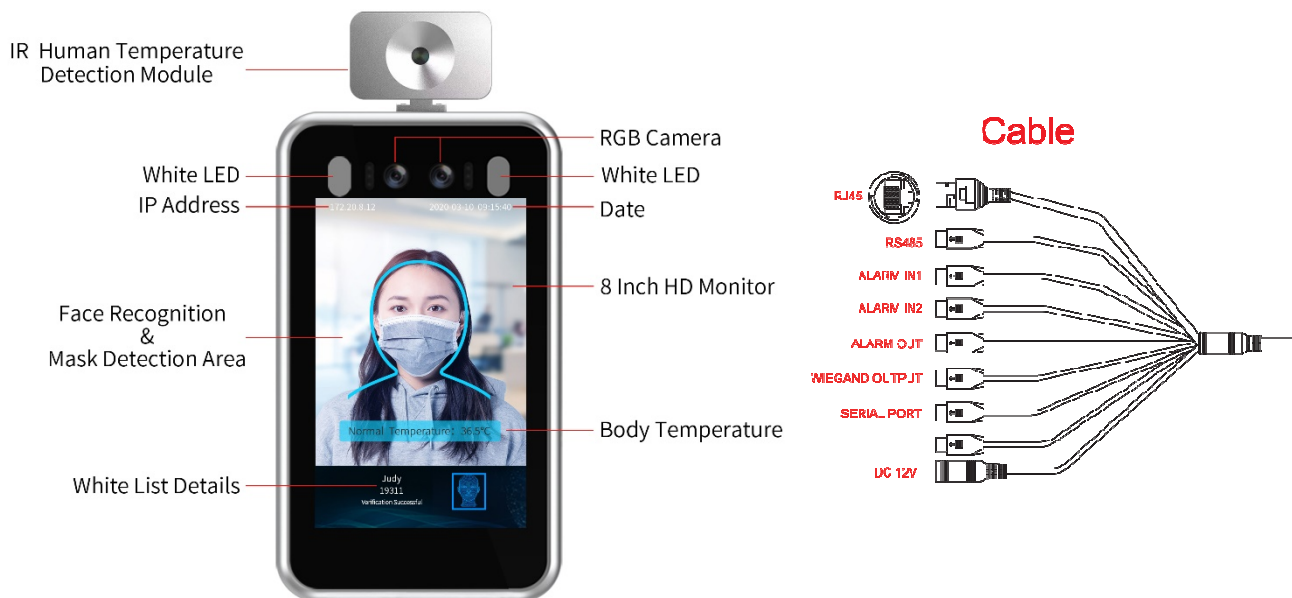
Important Safety Instructions

- Read and keep these instructions.
- Ensure that your installation area can safely support 3 times the weight of the device.
- Do not install the device in extreme temperature conditions. Only use the device where temperatures are within the limits shown in the device specifications. Be especially careful to provide ventilation when operating under high temperatures.
- Do not install indoor rated devices where they will be exposed to rain or moisture.
- To prevent damage to the image, do not aim the device toward an extreme light source.
- Do not touch the device lens, dome or bezel (front glass plate).
- Do not drop the device or subject it to physical shock.
- Do not use strong or abrasive cleaners, clean only with a soft cloth and mild detergent or alcohol.
- Do not open the device or attempt to service it yourself. Refer all service issues to your dealer.

Product Features

This 3-in-1 Face Recognition and Temperature Measurement is a smart access control terminal. It combined with IR Human Recognition and High Precision Temperature Measurement. It used for Instant No-contact human body Temperature detection, Registration, Recording and Other functions, widely used in access gates, office areas, office buildings, hotels, schools, hospitals, airports, shopping malls, communities and other public places etc.

Overview



Installation

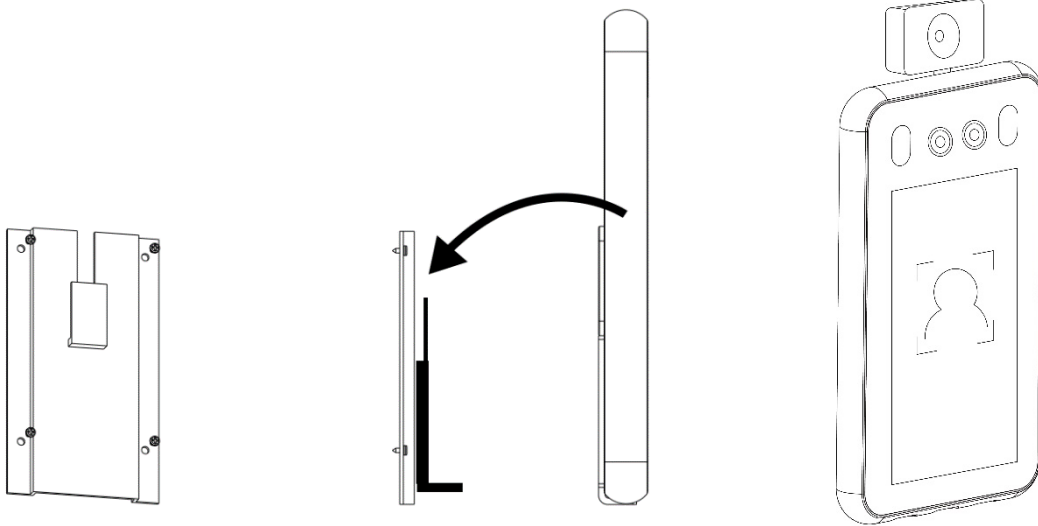
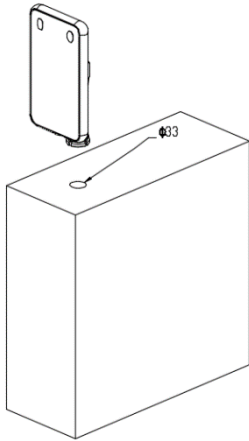
Before you start:

1. Please make sure that the device is in good condition and all of the assembly parts are included.
2. Make sure that all related equipment is powered-off during the installation.
3. Check that the device specification agrees with the installation environment.
4. To avoid damage, ensure the power supply voltage matches your device requirements.
5. Please make sure the installation surface is strong enough to withstand three times the weight of the device and the mounting.
6. If the installation surface is concrete, you need to insert expansion screws before you install the device. If the installation surface is wood, you can use self-tapping screws to secure the device.
7. If the product does not function properly, please contact your dealer or the nearest service center. Do not disassemble the device for repair or maintenance by yourself.

Note: The pictures shown in this manual is for reference only, different models may vary its shape and structures. Please take actual product as standard.

Installation

Rack Mounting



Wall Mounting

Temperature Measurement Function

Turn on the Temperature measurement and detection function

Step 1: Got to **Intelligent Analysis -> Face Detection -> Basic**. Tick Temperature Detection to turn on the function. You can set the temperature unit and Alarm temperature in this setting.

System
Video & Audio
Display
Alarm
Network
Storage
PTZ
Intelligent Analysis
Face detection

Basic
Server Config
Alarm Linkage
Arming Schedule
Face Import
Face Database
Recognition Record
Wiegand

Face detection

☒ Open Face detection
☒ Mark Face
☒ Save the original frame

Detection mode: ☒ Face Recognition ☒ Temperature detection ☒ Mask detection

Temperature unit: Fahrenheit

Alarm temperature: 99.5 °F

Picture quality: 40

Face Picture qualit: 80

Minimum face pixel: 40

Sensitivity: 4

Capture the proportion: 10%

Recognition Threshold: 75

Please make sure that the image without rotation or rotated 180 degrees and then open it!

Save

Note: The three detection mode options can be combined together to detect the required item.

Step 2: Place the face in the designated detection frame to measure the temperature. The specific temperature will be displayed during the recognition check and there will be Normal/Abnormal Temperature voice announcements.



Step 3: Login Sky Eyes Platform (<http://facemgr.deepcam.cn>) and Go to **Access Records**. There will be information records such as Body temperature of the captured person and other details.

Device Group List
Subject Management
Subject List
Access records
Account Setting
Tools
Options

2020-03-18 00:00:00 ~ 2020-03-18 23:59:59

全部

Enter name or ID No.

	Frame Image	Face Image	Name	ID No	Body Temperature(°C)	Roles Group	Subject type	Device Name	Recognition Time	Action
<input type="checkbox"/>			秀志文	18180	36.049	员工	Identify Subject	测温模块-考勤机-4	2020-03-18 14:19:45	Delete 详情
<input type="checkbox"/>			王佩良	14195	36.389	员工	Identify Subject	测温模块-考勤机-4	2020-03-18 14:19:41	Delete 详情
<input type="checkbox"/>			王佩良	14195	36.340	员工	Identify Subject	测温模块-考勤机-4	2020-03-18 14:19:38	Delete 详情
<input type="checkbox"/>			王佩良	14195	36.380	员工	Identify Subject	测温模块-考勤机-4	2020-03-18 14:19:26	Delete 详情

Mask Detection

The screenshot shows a web interface for configuring a device. On the left is a sidebar with a menu: System, Video & Audio, Display, Alarm, Network, Storage, PTZ, Intelligent Analysis (selected), and Face detection. The main area has tabs: Basic (selected), Server Config, Alarm Linkage, Arming Schedule, Face Import, Face Database, Recognition Record, and Wiegand. The 'Face detection' section is active, showing the following settings:

- ☒ Open Face detection
- ☒ Mark Face
- ☒ Save the original frame
- Detection mode: ☒ Face Recognition ☒ Temperature detection ☒ Mask detection
- Temperature unit: Fahrenheit
- Alarm temperature: 99.5 °F
- Picture quality: 40
- Face Picture qualiti: 80
- Minimum face pixel: 40
- Sensitivity: 4
- Capture the proportion: 10%
- Recognition Threshold: 75

Below the settings, there is a red warning message: "Please make sure that the image without rotation or rotated 180 degrees and then open it!". At the bottom is a blue "Save" button.

Go to **Intelligent Analysis -> Face Detection -> Basic**. You can enable or disable the Mask Detection function. If its enabled, it gives you voice announcements when the person is detected without mask and it restrict the person to access the entry.

Face Detection

1. Basic Settings

Go to **Intelligent Analysis -> Face Detection -> Basic**. By default, the Face detection functions is enabled in the device. You can adjust other parameters according to the required situation. (It is recommended that the Sensitivity adjusted to 2 and the Threshold is about 75)

This screenshot is identical to the one above, showing the 'Face detection' configuration page. The settings are the same: Open Face detection, Mark Face, Save the original frame, Detection mode (Face Recognition, Temperature detection, Mask detection), Temperature unit (Fahrenheit), Alarm temperature (99.5 °F), Picture quality (40), Face Picture qualiti (80), Minimum face pixel (40), Sensitivity (4), Capture the proportion (10%), and Recognition Threshold (75). The red warning message and the 'Save' button are also present.

2. Face Import

Go to **Intelligent Analysis -> Face Detection -> Face Import**. First edit the pictures according to the specification requirements below.

- 1) The picture format must be .jpg format and the size cannot exceed 512KB.
- 2) The name format of the pictures must be: name_number_gender.jpg.
- 3) The maximum resolution of the pictures should be 960x960, and the minimum resolution should be 30x30.

No.	Face Picture	NAME	Picture Number	Gender	Status
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Note: You can select multiple images to import at the same time.

Click **Upload Picture** button and select the images you want to upload. Click **Upload White List**, **Upload Black List** or **Upload VIP List** buttons to upload the faces into the database.

No.	Face Picture	NAME	Picture Number	Gender	Status
1		wangjiangtao	18101	male	Succeeded
2		wangjiabo	16173	male	Succeeded

3. Face Database

Go to **Intelligent Analysis -> Face Detection -> Face Database**. Once the image uploaded successfully, you can View, Edit and Remove the pictures from the database.

NAME	Picture Number	White List	Search		
王强典 14195	王强 15055	陈强 15090	陈云飞 15348	张海瑞 16005	占国兴 16086
李国典 16212	陈武 16393	陈海瑞 16405	周海瑞 17029	周依娜 18006	王江涛 18101

4. Recognition Record

Go to **Intelligent Analysis -> Face Detection -> Recognition Record**. If the verification is successful, the specific date & time and other information of the person will be displayed in the Recognition Record.

System

Video & Audio

Display

Alarm

Network

Storage

PTZ

Intelligent Analysis

Face detection

Basic

Server Config

Alarm Linkage

Arming Schedule

Face Import

Face Database

Recognition Record

Wiegand

Recognition Record

NAME

Picture Number





Is Matched

Face Database

Start Time

End Time

Search

No.	Head portrait	NAME	Picture Number	Face Database	Time	Similarity Degree	Visited Times	Detail
1		张海福	16005		2020-03-18 17:34:23	75%	0	Gender:female;age:-1
2		张海福	16005		2020-03-18 17:34:15	76%	0	Gender:female;age:-1
3		张海福	16005		2020-03-18 17:33:54	75%	0	Gender:female;age:-1
4		匡慧	17249		2020-03-18 17:22:37	79%	0	Gender:female;age:-