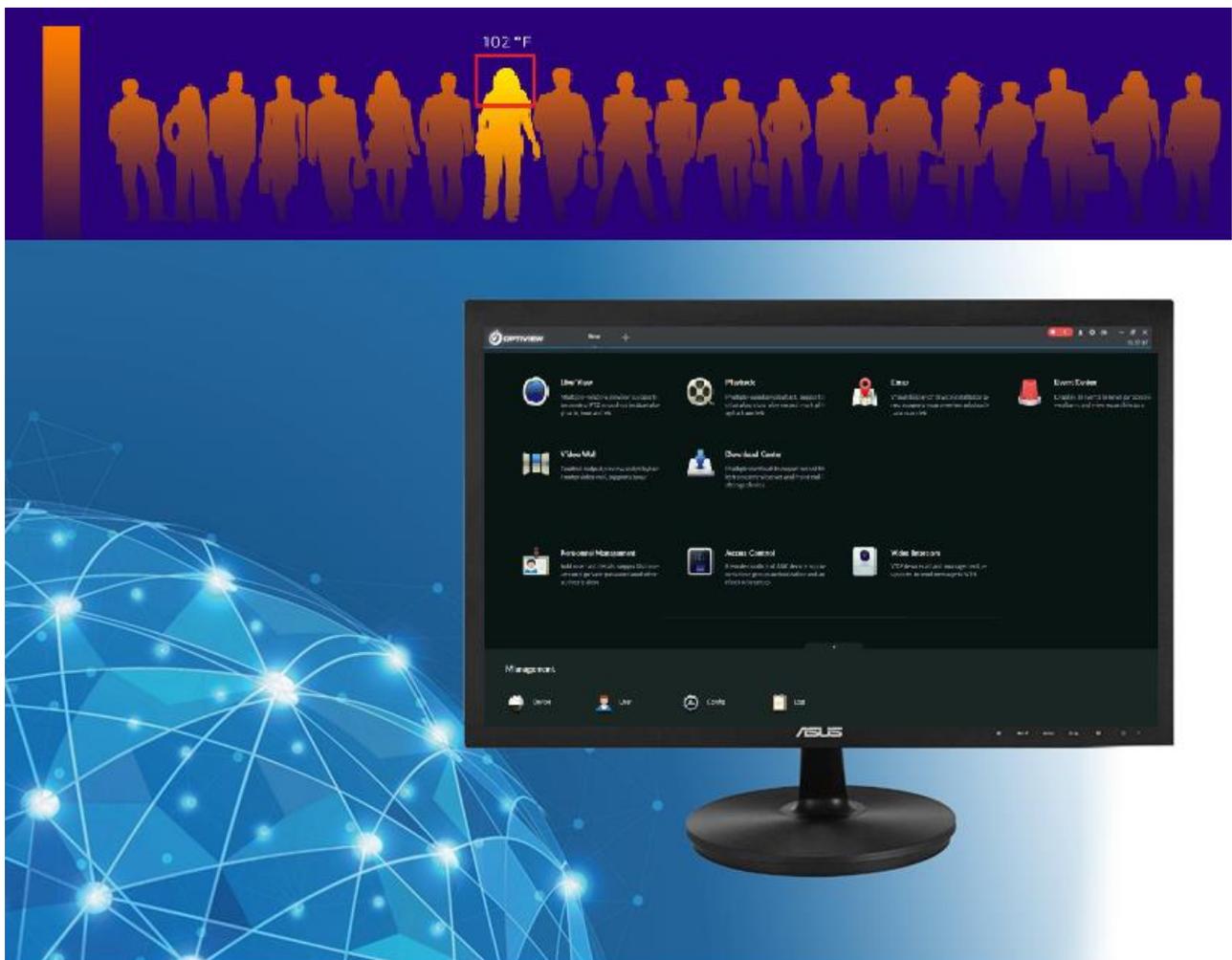


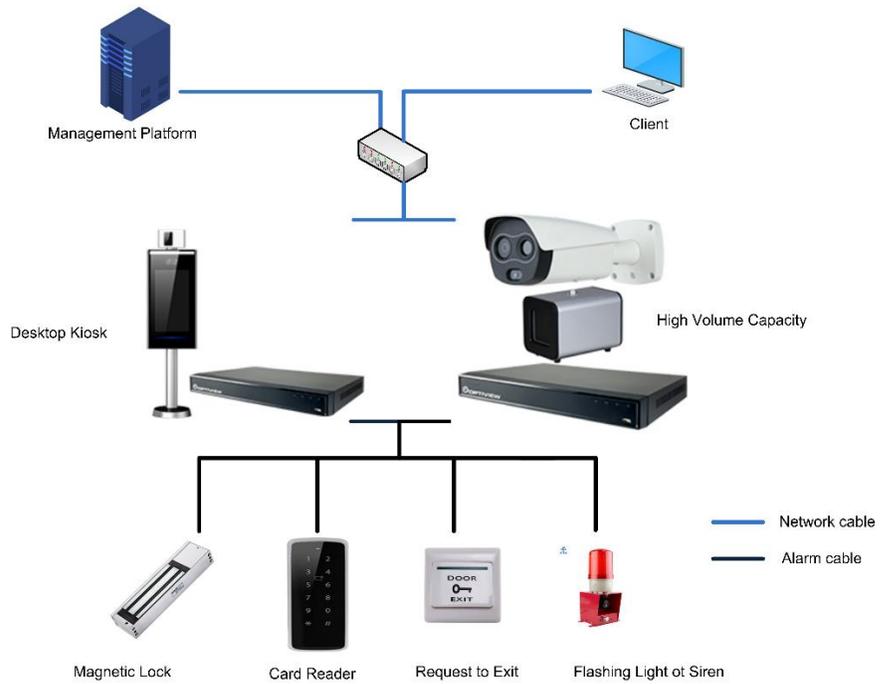


# Human Temperature Detection & Notification System

## Quick Install Guide

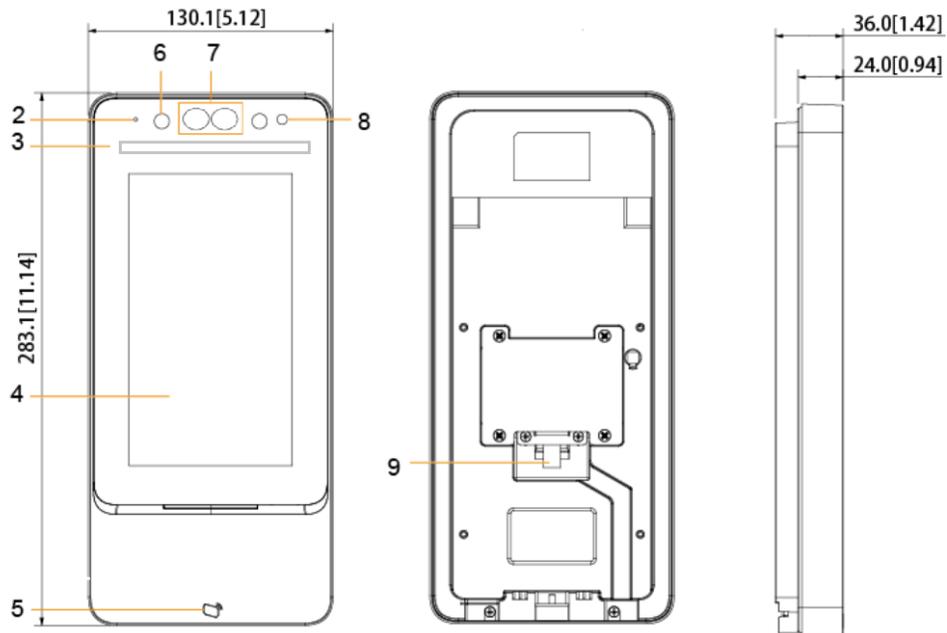


## Applicable Functions



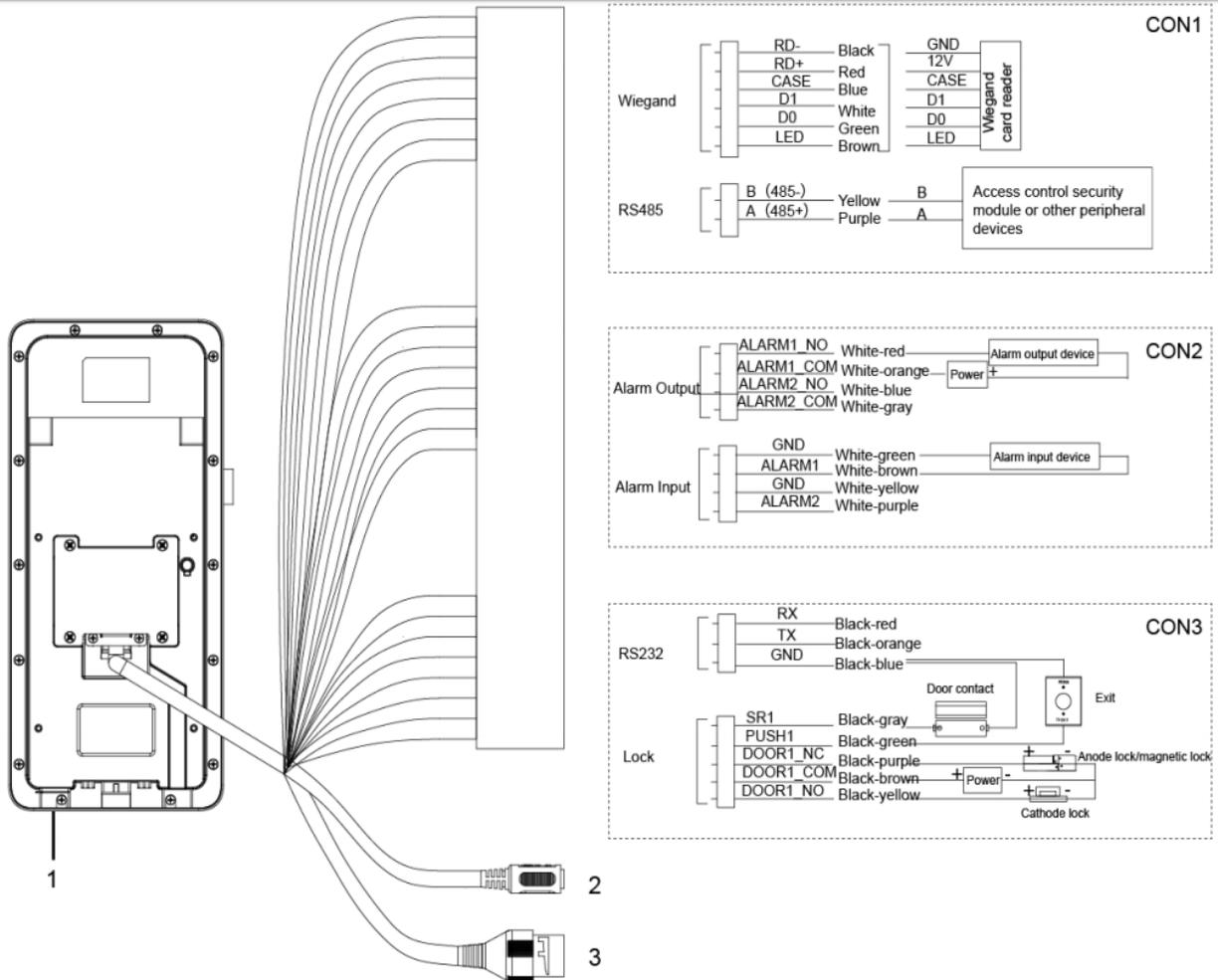
## 1. Dimensions and Components

### a. Thermal camera display



No.	Part Name	No.	Part Name
1	USB Port	6	IR Light
2	Microphone	7	Dual camera
3	White light	8	Photo light sensor
4	Touchscreen Display	9	Cable entry
5	Access Card Reader		

b. Cable Connection Pigtail



Part No.	Description
1	USB Port
2	Power Port, !2 Vdc (no less than 2 Amp power adapter)
3	Ethernet Port

For other documentations including video guide for the initial installation setup, go to <http://support.optiviewusa.com/ThermalKit.html>

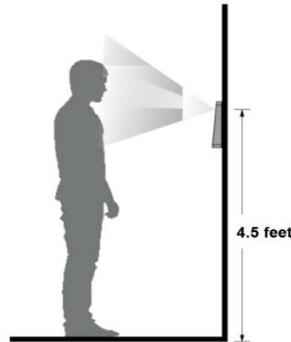
## 2. Installation Notes

---



- Minimum illumination should be no less than 100 lux.
- It is recommended to install the device indoors only; at least 10 feet from windows and doors and 6 feet away from light source.
- Avoid back light and exposure to direct sunlight.
- Required ambient illumination:
  - Candle: 10 lux
  - Light bulb: 100-850 Lux
  - Sunlight: is equal or greater than 1200 Lux

Make sure the height of the lens between the ground is about 4.5 feet



## 3. System Operation

---

### 3.1 Device Initialization

**Note:** Optiview does “Device Initialization” and pre-load optimum configuration settings to have the device ready for use on most common job applications. However, in case the device was reset to factory default settings, basic information must be setup such as admin password, email address (use for password recovery) and local network address. After these initial settings has been configured, you have the option to continue using the touchscreen display in configuring the device. The second option is to access the thermal camera configuration web page using a browser, which may be more convenient and easier to manage the thermal camera settings. Optiview Default admin password: Admin1.0 and default IP: 192.168.1.108.



- The admin password can be reset via email in case the user forgot the “admin” password.
- Password must contain 8-32 characters and must have, at least, two of the following:
  - Upper case letter and/or Lower case letter
  - Number and/or Special characters except: “ ‘ ; : &

Device Initialization

Admin: admin

PWD: [ ]

PWD Confirm: [ ]

E-mail: [ ]

Yes Clear

### 3.2 Adding Users

You can add new users by entering their user ID's, names, record face image, password, user level (user or admin level) and other optional user account information. Press the check  button on the upper right corner to save all the information before leaving the menu screen.

New User 

User ID: 1

Name: [ ]

FP: 0

Face: 0

Card: 0

PWD: [ ]

User Level: User

Period: 255-Default

Holiday Plan: 255-Default

Valid Date: 2037-12-31

User Level: General

Use Time: Unlimited

Description of User Account Parameters

Parameter	Description
User ID	You can enter user IDs. The IDs can consist of 32 characters (including numbers and letters), and each ID must be unique.
Name	Enter username which can be up to 32 characters.
FP	Finger print (if applicable on your model)
Face	Make sure your face image is centered and captured.
Card	Enter access card number information
Password	Maximum 8 digit password to unlock a door using a touchscreen
Level	User level group have two options:

	User: account can only unlock door Admin: user account under this level group have the rights to access configuration menu options.
Period	Option to set time period in which a user can unlock the door
Holiday Plan	Set a holiday time period in which user can unlock door
Valid Date	Set a valid time period for the unlock code to work.
User Level	There are six levels of user level groups: <ul style="list-style-type: none"> <li>• General – users can unlock door normally at all times.</li> <li>• Blacklist – when users is in the blacklist, service personnel will get a prompt notification.</li> <li>• Guest – guest users are allowed to unlock door at certain specific time periods at specific number of times only.</li> <li>• Patrol – patrol users can get their attendance tracked but will not be able to open door.</li> <li>• VIP – when VIP unlocks the door, service personnel will get a prompt.</li> <li>• Disable – use this group for persons with disabilities. Door will have an additional 5 seconds delay before closing the door.</li> </ul>
Use Time	This setting is applicable to Guest level where you can set the maximum times a guest can unlock the door.

## 4. Configuration Setup via Web Access

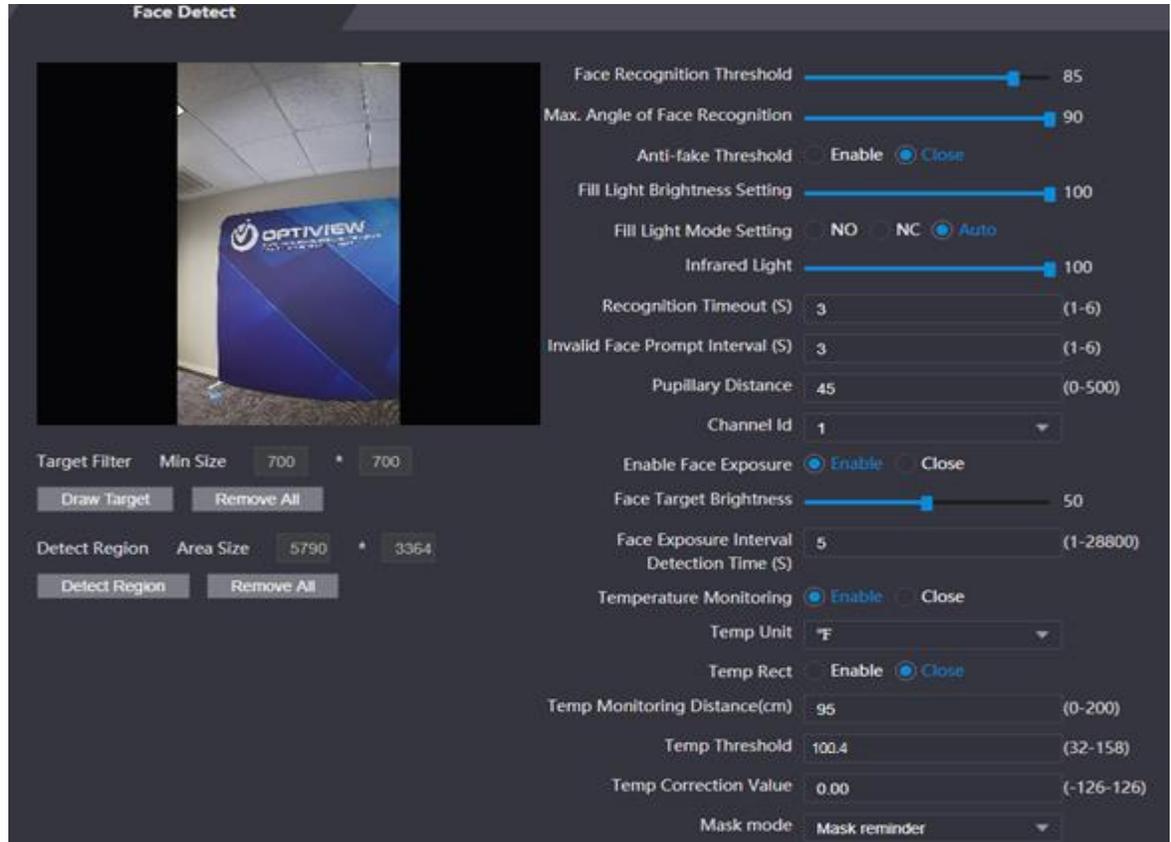
---

Note that thermal camera has been configured and customized to optimum settings to meet the majority of the common requirements of our customers and job applications. The thermal camera can be operated and configured using the web access page of the camera such as parameter settings, including but not limited to network, video, access control, and maintenance options such a firmware update, configuration backup etc. Default IP address of the thermal camera is 192.168.1.108. The admin login information must match the information previously set at section 3.1 mentioned above.

4.1 Web Login – enter “admin” account name and password to login. In case password is lost, click the “Forget password” to start the password recovery process.

## 4.2 Face Detect

This menu is one of the critical configuration menus to make the thermal camera works best for you. This web menu includes configuration related to temperature monitoring, threshold, scanning distance and other critical settings. Typical settings are shown below:



Name	Description
Face Recognition Threshold	Face recognition accuracy can be adjusted. The larger the value is, the higher the accuracy will be.
Max. Angle of Face Recognition	Set the control panel shooting angle of profiles. The larger the value is, the wider range of the profiles will be recognized.
Pupillary Distance	Pupillary distance is the pixel value of the image between the centers of the pupils in each eye. You need to set an appropriate value so that the access controller can recognize faces as needed. The value changes according to the face sizes and the distance between faces and the lens. The closer the face is to the lens, the greater the value should be. If an adult is 1.5 meters (approx. 10 feet) away from the lens, the pupillary distance value can be within 50 to 70.
Recognition Timeout	The time interval between the time period a person's face was scanned and the time before the system gives the negative result of the scan is called Recognition timeout.
Recognition Interval	When a person who has the access permission stands in front of the access controller and gets the face recognized, the controller will prompt that face recognition succeeded. The prompt interval is the recognition interval.

Name	Description
Invalid Face Prompt Interval	When a face has no access permission stands in front of the access controller, the controller will prompt that the face is invalid. The prompt interval is “invalid face prompt interval”.
Anti-fake Threshold	This function prevents people from unlocking by human face images or face models. The larger the value is, the more difficult face images can unlock the door. The recommended value range is above 80.
Temperature Monitoring	<p>Set whether to enable the body temperature monitoring.</p> <ul style="list-style-type: none"> <li>● Temp Unit: Select a temperature unit.</li> <li>● Temp Rect: Set whether to enable the temperature monitoring box or not.</li> <li>● Temp Monitoring Distance (cm): The value is 0 by default. Set other values to enable temperature monitoring within a defined distance. 95 cm (approx.. 6 feet) is recommended.</li> <li>● Temp Threshold (°C): Set the temperature threshold. The monitored body temperature will be judged as high temperature if it is greater than or equal to the set value.</li> <li>● Temp Correction Value: This parameter is for testing. The difference of the temperature monitoring environment might cause the temperature deviation between the monitored temperature and the actual temperature. You can select multiple monitored samples for testing, and then correct the temperature deviation by this parameter according to the comparison between the monitored temperature and the actual temperature. For example, if the monitored temperature is 0.5°C lower than the actual temperature, the correction value is set to 0.5°C; if the monitored temperature is 0.5°C higher than the actual temperature, the correction value is set to -0.5°C.</li> </ul>
Mask Mode	<ul style="list-style-type: none"> <li>● No detect: Mask is not detected during face recognition.</li> <li>● Mask reminder: Mask is detected during face recognition. If the person is detected not wearing a mask, the system will prompt mask reminder and passage is allowed.</li> <li>● Mask intercept: Mask is detected during face recognition. If the person is detected not wearing a mask, the system will prompt mask reminder and passage is not allowed.</li> </ul>

#### 4.2.1 Recommended Face Detect configuration on critical settings option

- Light brightness – 100
- Infrared light – 100
- Temperature monitoring – Enable
- Temperature unit – Fahrenheit (F)
- Temp. monitoring distance – 95 cm. (approx. 3 feet)
- Temp. threshold – 100.4 F
- Temp. correction – 0
- Mask mode - “Mask reminder” (may vary depending on user preference)



- When importing face images through the management platform, make sure that image resolution is within the range 150 × 300–600 × 1200; image pixels are more than 500 × 500; image size is less than 75 KB, and image name and person ID are the same.
- Make sure that face does not take 2/3 of the whole image area, and the aspect ratio does not exceed 1:2.

For other documentations including video guide for the initial installation setup, go to <http://support.optiviewusa.com/ThermalKit.html>