![Siera Electronics logo]

SAC 3719TW

User Manual

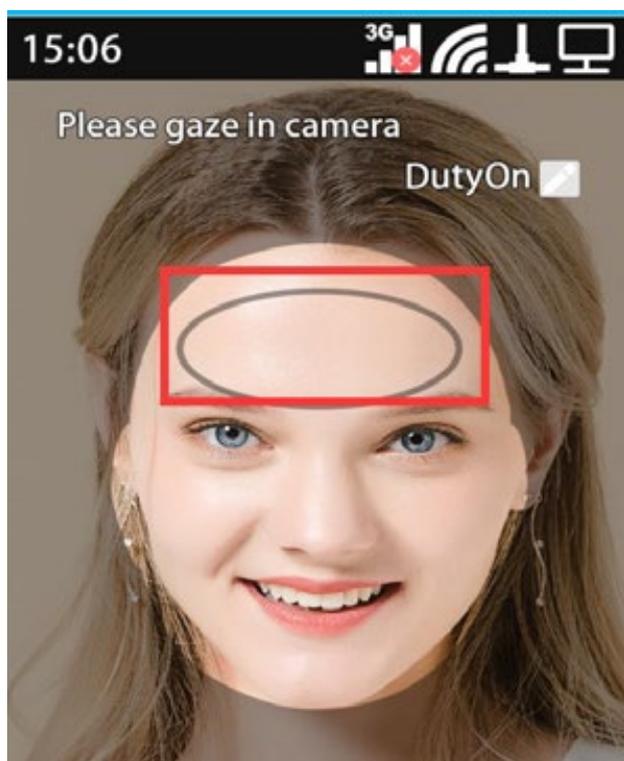**ONE: THE USE OF TEMPERTURE MEASUREMENT FUNCTION:**

Note: The temperature measurement module is greatly affected by the environment, such as sunlight, windy places, sweating, rain, strong light, etc. will affect the accuracy of the temperature; the temperature cannot be used for medical diagnosis; wait 10 minutes after boot then starting to use.

1. Temperature measurement function

2. When face recognition, the position of the person's forehead should be inside the black ellipse, as shown below

3. If fingerprint, card or password is used for identification, after successful verification, the face needs to be in the face frame on the machine to detect body temperature, otherwise the body temperature cannot be read and recognition fails.

4. The temperature measurement function can be turned off. After turning off, it can be used like a normal machine; the Method of closing: **Menu "Setting" "Advanced" "Measure Temperature" "Use Measure Temperature" NO**

5. The principle of temperature measurement. When face recognition is successful, it is detected whether the face is in the face frame. If it is, the temperature of the face is read. If it is not measured, it will prompt you and you need to recognize the face again.

6. Read temperature time adjustment, which indicates how many seconds after the

successful face recognition, the temperature is read. This time determines the passing efficiency of the machine. The shorter the time, the faster the recognition and the higher the passing efficiency. The temperature measurement error will be different. ; Setting method: **Menu "Setting" "Advanced" "Measure Temperature" "Measuring Duration"**, select the corresponding time

7. Body temperature recognition distance, indicating the position of the forehead from the center point of the temperature measurement module, Setting method: **Menu "Settngs" "Advanced" "Measure Temperature" "Measuring Distance".**

Option	Distance (approx.)	Identification effect (related to the environment)
Near	30~50cm	Slight Error
Middle	50~60cm	Normal Identification
Far	60~70cm	Fast recognition error is rather large
No Limit	>70	Fast recognition error is large

8. Display real-time body temperature, when the face is close to the machine, the temperature is displayed; Setting method: **Menu "Setting" "Advanced" "Measure Temperature" "Show Realtime Temperature", "Yes" means display, "No" means Do not show**

9. The door opening setting is prohibited when the body temperature is abnormal. Whether the door opening is allowed when the body temperature is abnormal; Setting method: **Menu "Setting" "Advanced" "Measure Temperature" "Reject Sick Person", "Yes" means that the door is not allowed , "No" allows the door to be opened**

10.　Abnormal body temperature threshold, when the body temperature reaches this value,

an alarm will be given, and the alarm will be automatically cancelled after 3 sounds; setting method: **Menu "Setting" "Advanced" "Measure Temperature" "Abnormal Temperature Threshold**"
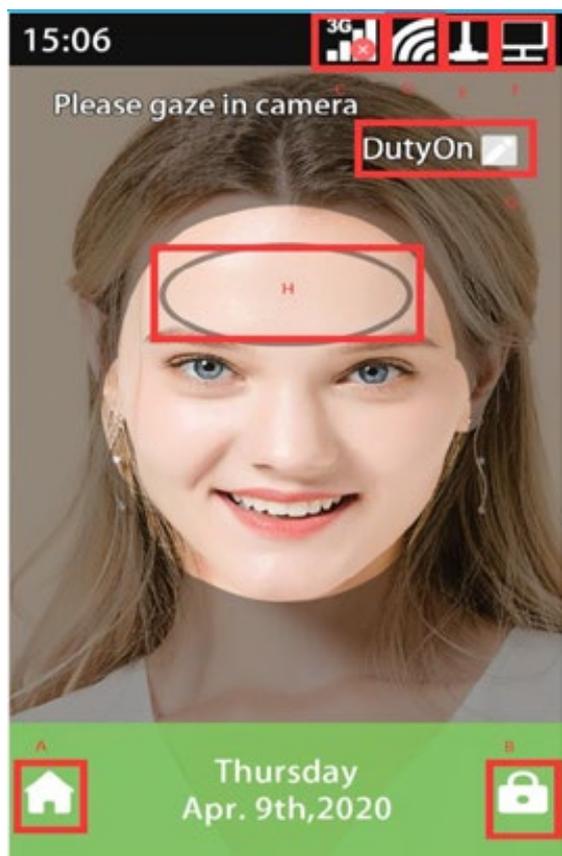
11. When the temperature measurement lens is dirty, it can be wiped with 98% alcohol, 75% medical alcohol is not allowed, otherwise there is moisture, which affects the temperature measurement effect and the life of the temperature measurement module.

TWO: HOW TO USE WITHOUT TEMPERATURE MEASUREMENT FUNCTION:

1. Directly facing the camera can be recognized normally (23cm~50cm)

2. The main interface block of the machine without the temperature measurement module has no face box.

THREE: GENERAL FUNCTION

1. The Main Interface

A: Enter the menu: If you have registered an administrator, you need to verify the administrator to enter

B: Password verification: Enter the **ID Number**, then enter the **Password**, and confirm;

D: WIFII logo;

F: TCP-IP logo ;

G: Time Attendance logo ;

H: During the test, the forehead location logo should not be blocked by hair.

2. User management

A) Entry method: Enter the menu **"User"**

B) User registration:

Click **"Enroll"** "Enter the **User ID Number** (cannot be repeated), **Department**, **Name** (support T9 input method), **Level** (Ordinary User, Manager, Administrator)

Ordinary Users: can only recognize and cannot enter the menu settings; **Manager**: can only register users, **Administrators**: perform all operations, including modification time and registered users.

Select the registration type as: **Face**, **Fingerprint**, **Card** and **Password**;

Photo: Take photos after successful registration;

Valid Date Range: It can be recognized within the time and date range, but cannot be recognized beyond the date range;

User Timezone: set the time period allowed to open the door.

Fingerprint Alarm: Register the Duress fingerprint, when the duress fingerprint is used for identification, an alarm signal will be output.

The distance of face registration is 30~50 cm, the registration interface is as follows,

C) Delete user:

Entry mode: Enter the **Menu "User" "Delete"**;

Enter the corresponding **User ID Number**, click **OK** to delete

D) Edit user

Entry mode: Enter the **Menu "User" "Edit"**, similar to user registration

3. Device Settings

A) Basic settings

Entry mode: enter the **Menu "Setting" "Basic"**

You can set parameters such as **language**, **voice prompts, attendance time period settings, ring settings, ring times, department,** and other parameters

B) Advanced settings

Entry mode: Enter the **Menu "Setting" "Advanced"**

Verification Mode: You can modify the verification method or combine verification methods

Face Engine Security Level: indicates the accuracy of face recognition, the higher the probability of heavy face is, the nonprofessionals are prohibited to modify

Measure Temperature: refer to body temperature test module

Refer to the machine settings for other options

C) Power management

Entry mode: Enter the **Menu "Setting" "Power"**

The restart time and sleep time can be modified

D) Communication settings

Entry mode: Enter the **Menu "Setting" "Communication"**

You can set TCP-IP parameters, WiFi settings, ID, TCP Port, real-time transmission mode, IP Host PC, Host PC Port.

If you need to set the real-time data sending function, you need to set the following

Recording method: TCP-IP

Host PC address: IP address of the computer where the software for receiving real-time data is installed

Host PC port number: default 5005, corresponding to the software, cannot conflict with the port on the computer

E) Record settings (Log)

Modify the verification record warning, repeat the verification time, and repeat the door opening time.

When the storage space is only left to store the value of the record warning setting, the verification time will prompt the warning again, and setting 0 will not prompt the warning. Overwrite the previous data repeatedly

F) Access control settings

Access control settings can set options related to access control, including time period

settings, door opening delay, door opening timeout alarm, enabling door sensor, duress alarm settings, Wiegand input and output settings, etc.

G) Self check function (Test)

Test whether the firmware of the machine is normal, when the machine is abnormal, you can test

4. USB Disk management

By downloading data through the USB disk, you can download verification records, manage records, and then import them into the software.

Download User Database: The data downloaded is .DAT file, which cannot be edited, and can be uploaded to other machines.

Download User Database (XML): The downloaded .XML format file data can be uploaded to other machines.

5. Data query (Sys Info)

A) Enroll Information

View the number of machine users, verify the number of records, etc.

B) Device Information

View the factory date, manufacturer, firmware version and other information

C) Advanced

View user verification records by condition

Four: FREQUENTLY ASKED QUESTIONS

1. The fingerprint is not recognized

Answer: Enter the Menu, Setting, Test, check the fingerprint device test; then wipe the surface of the fingerprint head with alcohol.

2. Inaccurate temperature measurement

Answer: It has something to do with the ambient temperature. Is the position of the forehead in the black oval frame during temperature measurement? You can adjust the temperature reading time in the temperature detection function. You can wipe the

temperature measurement lens with 98% alcohol (do NOT use medical alcohol) Or adjust the temperature reading distance (caution), whether the fan of the temperature measuring module is working normally.

3. Face recognition is successful, but the temperature measurement error

Answer: The temperature can only be read when the face is in the face box on the display.

4. TCP-IP cannot connect

Answer: Check whether the IP address set by TCP-IP is correct and the machine number is normal. You can use the ping command to test whether the network is smooth; confirm whether there is a communication password.

5. WIFI cannot be connected

Confirm whether the WiFi password is correct.

Note: If you have other questions, please contact us.

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