SIBO Q898X ACS Manual

ACS software don't need to install on a Windows server, just add the android monitor to your network and it is accessed through a web portal inside your network.

Email notification

Guest Account for limited access

Bulk upload register information

Self-defined audio text in English, French, Spanish, Italian

Configured time to turn on and turn off

Relay, wiegand connection for door control

If you want to develop your own software, please contact info@sibochina.com.cn for API documents.

Content

1. Android Monitor Process

1.1 Connect WIFI

There is no touch on the screen, so you need to connect the monitor with a USB mouse. Right key of the mouse is return function and you can exit from ACS software and go to Settings->WIFI and connect with your network.

You can also connect with lan port for Ethernet network and static network is suggested for fixed IP address.

1.2 Set Time

Go to Settings-> Time & Date, you can choose your time zone and synchronize with the network.

1.3 Install App

If you want to update the app, you can go to Settings->Apps->ACS and choose Delete. The new version of app has changed database structure, before installation, you need to delete the whole file folder from File browser-> Local Storage -> ACS by long press the ACS file folder and choose delete.

Copy the latest apk file into a USB flash disk and insert the USB port of the monitor, and from File Browser-> USB, click the apk to install.

2. Web server connection

Power up SIBO android monitor Q898X with DC in or POE power, ACS software will automatically starts, and when you hear "du" sound, the camera starts to work. When the android monitor powers up or reboot, the temperature sensor needs 4 minutes to warm up.
So we suggest you test the temperature after 4 minutes of boot up.

To test the body temperature, your face should appear on the face frame in white dash line, and the optimal distance is 0.5m away from the
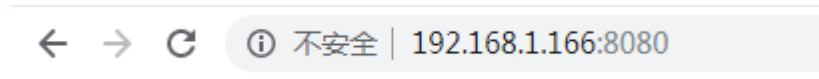
monitor.

On the bottom left side of access control software, you will see the MAC address and IP address of android monitor. For example, MAC: 8CFCA003C597, IP address: 192.166.1.179

Then you go to a computer in the same intranet and open the web browser and input http://192.166.1.179:8080
And go to the web server page to make configuration or records check or camera monitor.
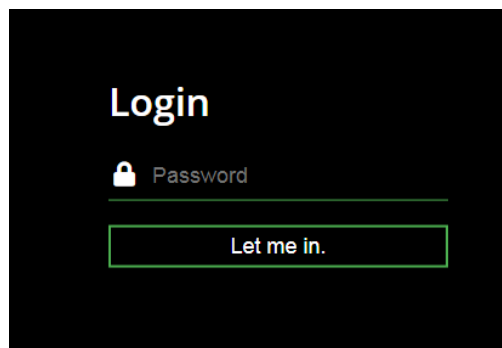
Please note that your devices' MAC address and IP address are different.

P.S.: 8080 is the port number of server.
Chrome browser is recommended to check the web server.

As above photo, you only need to input the password. Please check the back sticker on the monitor, there is password for each device. Input the password and login the server.

Please make sure the android monitor is working when you log in the web server.

3. Configuration access control software:

When you make configuration on the web server, you need click on UPDATE TO Device, press Sure on the pop up window which appears on the top of screen and then reboot android monitor to make the configuration effects.

When you reboot android monitor, you need to re-login your web server.

192.168.1.166:8080 显示

submit success

Update to Device

确定
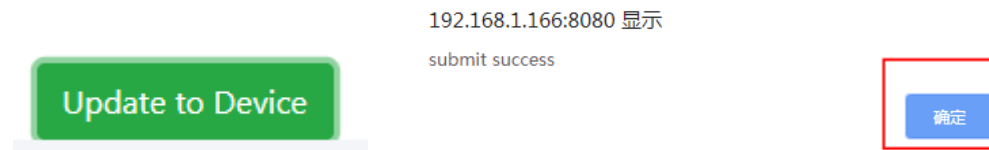
3.1 App portfolio

You can set the temperature display in Celsius or Fahrenheit, appoint email address when fever is detected on employees, temperature threshold/limits, and set temperature compensation according to the environment temperature. For example, when the environment temperature makes the temperature testing 0.3 degrees higher than the real value, you can input -0.3.

Pass rule:

| ☑ | Pass Rule | Face recognition or ID card touch can enter |
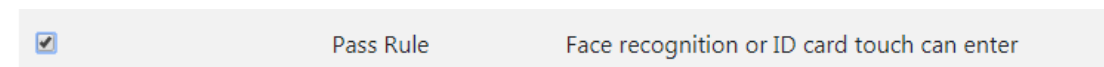
When you tick on Pass Rule, only registered persons with normal temperature allow entry and strangers have no records on Scan Records.
When you un-tick Pass Rule, all persons with normal temperature will allow pass and as long as temperature is normal, people's temperature records will show on Scan Records
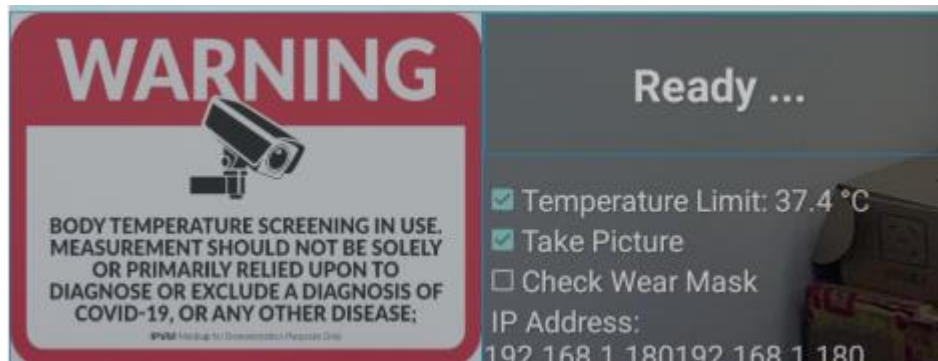
<mark>Take Pictures:</mark>

| ☐ | Take Picture | Take picture when body temperature is measured |

If you want to take photos when body temperature is tested, please tick on Take Picture, otherwise, there is no photo record in the Scan Records.

<mark>Banner Select:</mark>
Banner selection is for the bottom display, you can disable it, or choose from banner mode 1 and banner mode 2:
Banner mode 1:

Banner mode 2:

Note: Flow control and RS232 are under development now.

<mark>Staff Access Password</mark>:
When you set staff access password, you can use this password to re-login server, and then you will only see 4 functions of Access Register, Bulk access register, Temperature scan records, Camera monitor.

Welcome to Thermal Guard Management.

Type	Content
Card ID	
First Name	
Last Name	
Phone	
Email	
Information	
Select photo	选择文件 未选择任何文件

Sidebar menu:
- THERMAL GUARD
- Access Register
- Bulk Access Register
- Temperature Scan Records
- Camera Monitor

3.2 Access register

You can upload the employees' ID number and photos. Please upload photo files in JPG or PNG format, and the resolution is around 500x600, size is less than 500kb, and the registered photo request front face with no hair hide the eyes.

The ID card number is unique for each employee. You can not register the same ID card number twice.

The stranger's ID number is Unknown.

When you enable taking photos, the android monitor will make a screenshot for every allowed persons. When you want to see the photo in full size, you can click on the right key for the selected picture and choose see the photo in new label page.

3.3 Add bulk upload function

When you want to bulk upload register information, you need to login with Guest Account.

Below video shows how to login with Guest Account: https://youtu.be/Orev_5_iZYM

Ask your sales person to provide an excel file named test.xls, you can input information under ID, first name, last name, phone, Email, information, and then click on Bulk Access Register and choose the file for IMPORT DATA FROM

ID	FirstName	LastName	Phone	Email	Information

Please don't change the item name inside the excel file.

Photos still need to upload one by one, because the system needs to judge whether the file format is ok.

When you click BULK UPLOAD after photos are chosen, some photos may still in READY status, in this time, you need to re-press BULK UPLOAD until all photos are in SUCESS mode.

Please refer to this video for better understanding.
https://youtu.be/o06J66Ye5yg

3.4 Text Speech Settings

There are three language for voice notification, you can choose from English, Spanish, Italian, French. But the displayed words can be only in English.

You can configure speech text as you want.

Flow control and welcome after face recognition are disabled.

When you tick on Check wear mask and input sentences, but you won't hear the voice notice, please check whether you tick on MASK CHECK from APP Portfolio.

☑	Check wear mask	Please Wear Mask
☐	Mask Check	If don't wear a mask, you will be alerted

3.5 Scan Records

When you click on Picture file, you can view the photo in a new page. Because display the photo directly will consume much resources, they are not displayed directly.

Click on Export to Excel, and you can open the record with Excel.

Scan Time	Temperature(°C)	User ID	User Name	Alert Email To	Picture File
2020/5/19	35.9	245280375	GP	undefined	1589874853069.png

15:54					
2020/5/19 16:51	36.8	245280375	GP	undefined	1589878284419. png
2020/5/19 16:52	36.6	245280375	GP	undefined	1589878326269. png
2020/5/19 16:53	36.5	245280375	GP	undefined	1589878428505. png

Photo needs to check from web server, from excel file you can not view photos.

When you click on Delete All Record and Picture, all record information includes the photos will be deleted both in web server and in android monitor.

Export to Excel　Delete All Record and Picture
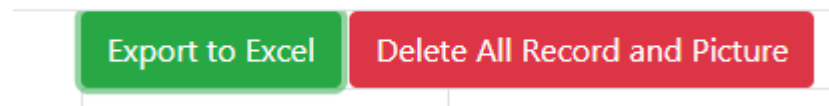
3.6 Camera Monitor

It is live video stream. This function requires stable network connection, we suggest you use lan network.

3.7 Device Information

You can see the device firmware version, API information, sensor information, device information.

There are two buttons for shutdown and reboot. If you press shutdown, you need to reconnect the power to boot the android monitor.

3.8 Black body calibration

There is a button of Black body calibration, it is for our tester and engineers to test and calibrate, normally it won't be used by any clients.

4 FAQ:

1. Why webpage shows "authorization is required to obtain data"?
Please check whether your android monitor connects with network. If you use wifi network, after rebooting android monitors, it may take minutes to connect wifi, or you check whether your wifi connects automatically. And after rebooting android monitor, when monitor connects with network, you need to re-fresh your web server page.

2. Why there is no records in Scan Records?
Scan Records only shows records with normal temperature, if the temperature is higher than temperature limit, there is no records.

If you tick on PASS RULE, stranger's records won't display.

3. Why there is no photos in Scan Records?
Please check whether you tick on Take Pictures from App Portfolio

4. When making register, why my photo can not be uploaded?
Please check whether your file format is JPG or PNG, right now, JPEG file is not allows.

5 Specification:

Model		Q898X
Camera	Resolution	2 million pixels
	Type	Binocular wide dynamic camera
	Aperture	F2.4
	Focusing distance	50-150cm
	White balance	auto
	Photo flood light	LED and IR dual photo flood light
Screen	Size	8.0 inch IPS LCD screen
	Resolution	800×1280
	Touch	Not supported (optional support)
Processor	CPU	RK3288 quad-core (optional RK3399 six-core, MSM8953 eight-core)
	Storage	EMMC 8G
Interface	Network module	Ethernet and wireless (WIFI)
	Audio	2.5W / 4R speakers
	USB	1 USB OTG, 1 USB HOST standard A port
	Serial communication	1 RS232 serial port
	Relay output	1 door open signal output
	Wiegand	One Wiegand 26/34 output, one Wiegand 26/34 input

	Upgrade button	Support Uboot upgrade button
	Wired network	1 RJ45 Ethernet socket
Function	Credit card reader	None (optional IC card reader, ID card, ID card)
	Face Detection	Supports detection and tracking of multiple people at the same time
	Face library	Up to 30,000
	1: N face recognition	Support
	1: 1 face comparison	Support
	Stranger detection	Support
	Identify distance configuration	Support
	UI interface configuration	Support
	Upgrade remotely	Support
	Interface	Interfaces include device management, personnel / photo management, record query, etc.
	Deployment method	Support public cloud deployment, privatized deployment, LAN use, stand-alone use
Infrared thermal imaging module	Temperature detection	Support
	Temperature detection distance	1 meter (optimal distance 0.5 meter)
	Temperature measurement accuracy	≤ ±0.5℃
	Temperature measurement range	10℃~42℃
	Thermal field of view	32 X 32

	Visitors' temperature is normal and released directly	Support
	Abnormal temperature alarm	Support (temperature alarm value can be set)
General parameters	Power	DC12V（±10%）
	Operating temperature	0℃~60℃
	Storage temperature	-20℃~60℃
	Power consumption	13.5W（Max）
	Installation method	Screwed by wall mount bracket
	Size	Standard：274.24*128*21.48（mm） IC card / ID card：296.18*132.88*25（mm）
Packing list	Machine * 1, manual * 1, certificate of conformity * 1	

Warning：

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.

-- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help.

NOTE: This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter

RF Exposure Statement

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance of 20Cm the radiator your body. This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter