

# SentryTHERM™

## Biometric Temperature Scanner

Catalog #	Description/Content	Contents
EFRTS100	SentryTHERM Biometric Temperature Scanner	Scanner Head Floor stand Power cable

Related Products	Catalog #
TempZAP® No Contact Thermometer	ETZT100
FirstResponder® NEST	E40010FR
SteriZAP® Germicidal Sprayer	E800GSP
SteriZAP® UV-C Room Sterilizer, 110V	E500UVCT
SteriZAP® Electrostatic Backpack Sprayer, Rechargeable	E700EBS
FirstResponder® Portable UVC Sterilizer, Rechargeable	E500UVCP

### INTRODUCTION

The SentryTherm™ Biometric Temperature Scanner (SBTS) is a multipurpose access control reader that provides more than facial or

palm biometric entry control. It also includes the detection of a person's body temperature and if they are wearing a protective mask. The SBTS unit provides screening of people for healthcare, hospitals, schools, hotels, cruise ships, and any other businesses interested in detecting, documenting, and controlling elevated temperature. Additionally, the SBTS unit will remind users to wear a face mask with a clear and loud audible voice.

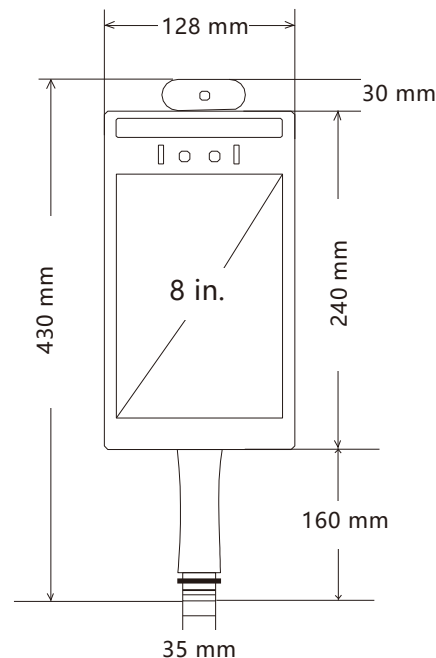
The SBTS unit can safeguard any work or public space environment by monitoring people with elevated temperature and/or are not wearing a mask. This biometric reader-controller combines a powerful thermal camera and the latest face recognition algorithm that are accurate and work fast to keep business and people moving with little to no interruption and with full automatic user authentication.

To help with further safety and control, the SBTS unit provides accurate, reliable, and easy-to-implement contact tracing in the workplace. It keeps a record of all the people who come into contact with each other. It allows employers to safely bring their employees back to the office while reducing the risk of a future shutdown due to infected employees.

The SBTS unit can be connected through a serial port, Weigand 26 connection to an access controller or through the network. It is supported by an included access management software.

### Features of the SentryTHERM Biometric Temperature Scanner

- Face authentication range up to 8 feet
- Stores & matches up to 50,000 face photos and 1 million identification records.
- Body temperature detection accuracy +/- 0.3 degrees Fahrenheit from up to 19-inches away.
- Protective mask detection
- It can provide face verification when a mask is present.
- 8" programmable touchscreen display.
- Intelligent energy-saving design.
- Dual lens IR & VL camera recognizes faces in both total darkness and bright sunlight (<50,000 lux).
- Vandal-proof rating.
- Connects directly to the network (RJ45) or an access controller (Wiegand)



Scanner Terminal Dimensions



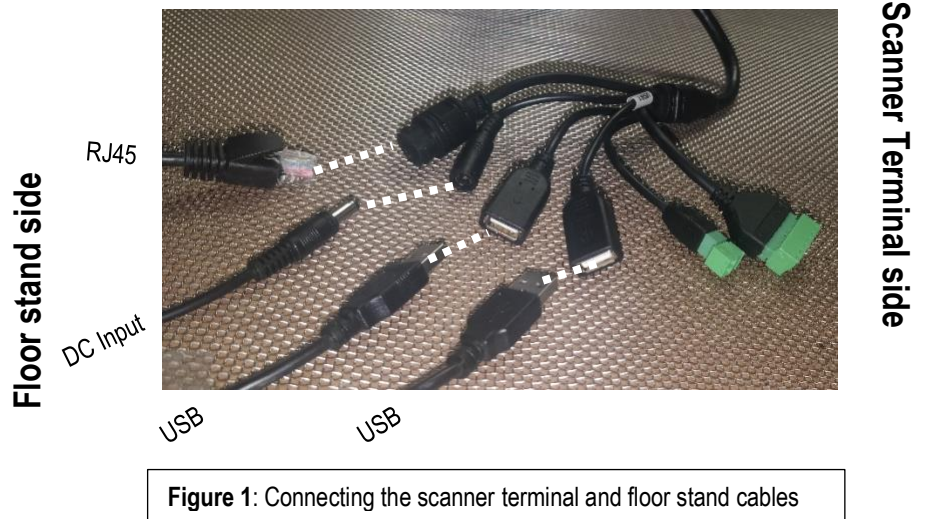
SPECIFICATIONS	Category	
Camera	Resolution	500W
	Type	RGB + infrared
	Aperture	4.0 mm
	Focal length	0-2 m
	White balance	Automatic
Screen	Size	8 inches, full view IPS LCD screen
	Resolution	1280*800; luminance: 400cd
Processor	CPU	4 nuclear RK3288
Flash Memory	DDR	2 GB
ISP	Image Processing	Built-in dual ISP
Internal Storage	EMMC	8 GB
Accessories	Flash LED	Infrared + three-color supplementary light lamp
	Card reader module	IC/ID card reader thermal imaging temperature detection module
	Network Module	Support wired 2.4 GWIFI, 4G network card (optional)
Interface	Audio	1 channel audio line out
	USB Interface	2 USB ports, 2.0
	Serial port 232	1 channel RS232 interface, 1 WG input, 1WG output
	Wiegand Interface	2.5 mX2PIN
	Reset Interface	Side holes, external buttons
	OGT interface	1
Function	Local Offline Use	Local 20,000 face library
	Face Detection	Local 20,000 face library
	1:N Face Detection	Supports one in 10,000 error rate; 99% pass rate
	1:1	Supports optional card swiping module.
	Stranger Detection	Supported
	Identification Range	Supported
	Remote Upgrade	Supported
Device Interface	Equipment management; personnel management; access records; visitor records.	
Port	Waterproofing grade	For covered outdoor use.
	Power supply	12V DC
	Operating Temperature	-1.0-60°C (30-140°F)
	Operating Humidity	1.0-90%
	Power Consumption	15W maximum
	Weight	3.5 lbs. (1.6 kg)
	Dimensions	16.9 x 5.0 x 3.5 inches (430 x 128 x 90 mm)

**Disclaimer:** The Genlantis SentryTHERM™ Biometric Temperature Scanner is not a replacement or substitute for medical grade thermometers, and should not be used solely for determining exact body temperatures. The use of SentryTHERM will provide adequate temperature monitoring for the purpose of large scale or continuous temperature monitoring in high traffic areas, but users should always confirm body temperatures when needed with an FDA approved thermometer.

## INSTRUCTIONS FOR USE

### I. Assembling the Unit

1. After unboxing the unit, plug the connectors from the scanner terminal into the corresponding connectors coming out of the floor stand's top side (Figure 1).
2. Insert the scanner terminal into the top of the floor stand while gently pushing all of the cables down into the floor stand's body.
3. Secure the scanner terminal to the floor stand with the provided 4 screws.



**Figure 1:** Connecting the scanner terminal and floor stand cables

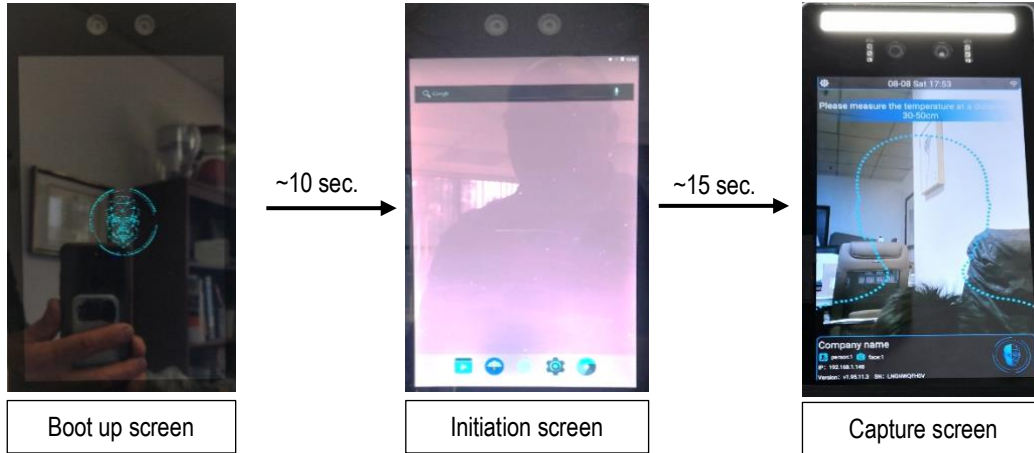
- Plug the power cord at the base of the unit (Figure 2.)



Figure 2: Connecting the power plug to floor stand

## II. Operating the unit

- After plugging the unit in, the scanner terminal will automatically power up and the following screens will appear in succession (without any use input):

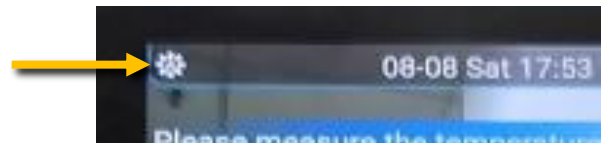


- At this point, you will need to plug a USB mouse (wired or wireless) into one of the USB ports on the side of the unit (Figure 3) in order to connect the unit to the available WiFi service at your location: While it is not needed, you may also connect a USB keyboard to the second USB port on the side of the unit to speed up typing of the WiFi password.



Figure 3: USB Ports 1 & 2

- Using your mouse, click on the Settings icon on the top left of the screen



- At the password screen (Figure 4), enter the following: **sk123** (this is the admin default).

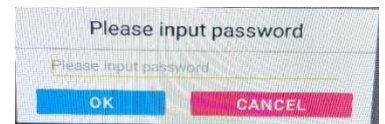
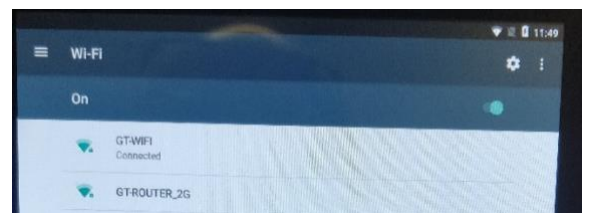


Figure 4: Password Entry Screen

- Select the appropriate WIFI network from the Wi-Fi list, and on the next screen prompt enter your WIFI password, then hit **CONNECT**.



- The SBTS unit will not connect to the selected WIFI network, and an IP address will appear on the bottom left of the capture screen (Figure 5). Note or copy this IP address, it will be needed for the next step.

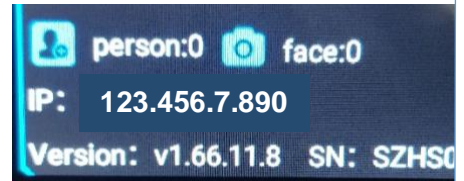


Figure 5: IP address location on Capture Screen

### III. Operating the Face Admin Computer Software

- Open a browser window and type the following URL address: **IP:8090**. For example, if you IP is 123.456.7.890, then enter the following in the web page address window: **123.456.7.890:8090** then hit Enter on your keyboard.

- At the Face Admin Login screen (Figure 6), enter the following information:

Username: **admin**

Password: **sk123**

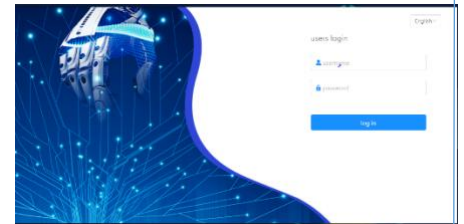
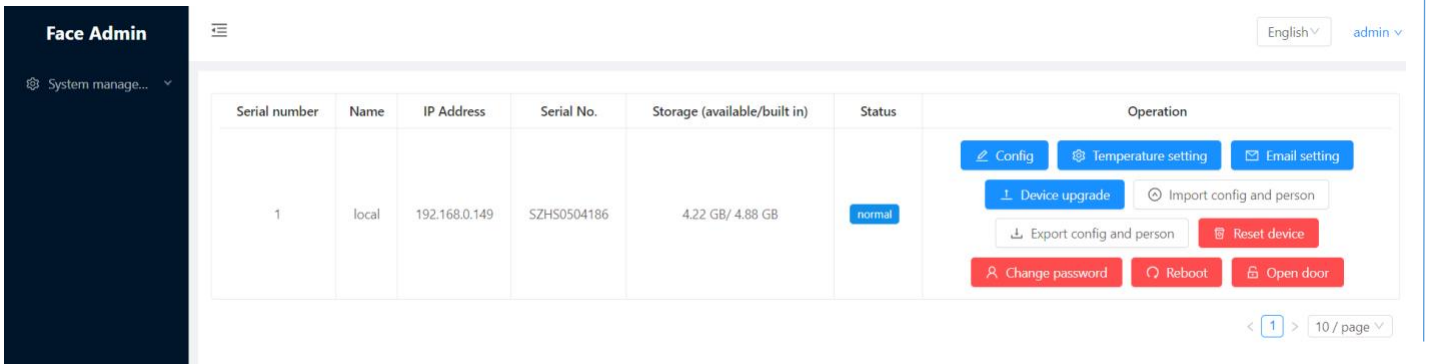


Figure 6: Management Software Login Screen

- After successful log in, the next display screen is the Admin portal where many functions can be controlled and customized:



- After changing configurations using the buttons in the Operation column, you can start using the SentryTHERM™ Biometric Temperature Scanner to monitor and record people.

- To review scanner log, click on the “System Management” option on the top left to expand this menu (Figure 7)

- Click on the “Visitor Management” option to view scanned individuals’ data (Figure 8 for sample).

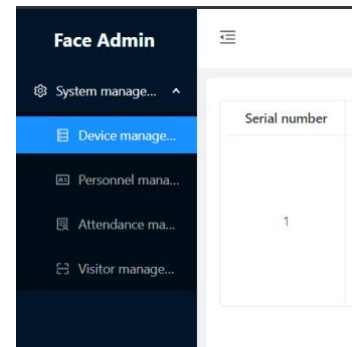
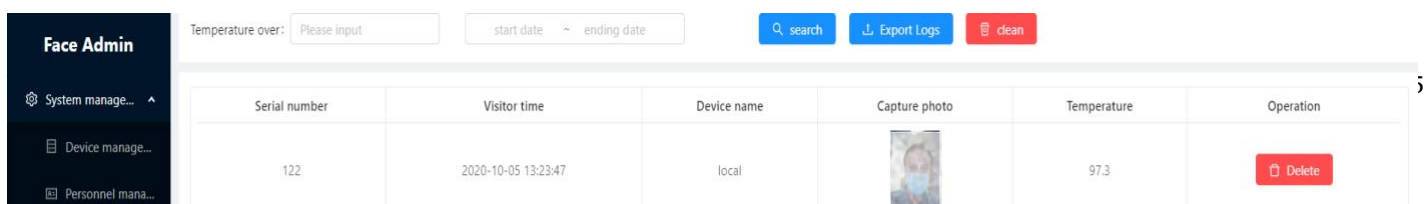


Figure 7: System Management Menu



**Figure 7:** Sample screenshot of Visitor Management page showing scanned individuals with date, time, and temperature stamps