



FTH-711 Dual Vision Thermal Scanner

Company name:

Biocare International L.L.C
Medical Device Solutions

Address:

10835 E Independence St,
Suite 120
Tulsa, OK 74116, USA

Contact:

+1 918 619 9885
biocarein.com
sales@biocarein.com

Biocare International



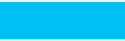
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SAFETY INFORMATION

- Use the Camera only as specified in this manual. See Table 1 for a list of Symbols used on the camera and in this manual.
- A Warning identifies hazardous conditions and actions that could cause bodily harm or death.
- A Caution identifies conditions and actions that could damage the Camera or cause permanent loss of data.



1. APPLICATION SCENARIOS

This product is suitable for any public space, and ideal for larger places such as: office buildings, shopping malls, schools, airports, stations, and factories.

2. PRODUCT SPECIFICATIONS

FTH-711 is a compact thermal scanner system that alerts when multiple persons are not wearing a mask and/or have high body temperature.



FTH-711 Dual Vision Thermal Scanner	
INFRARED CAMERA	
Resolution	256x192
Pixel Size	12um
NETD	<=50mK
Frame Rate	25Hz
Focal Length	3.2mm
Field Angle	56x42
VISIBLE CAMERA	
Resolution	1280x720
Field Angle	FOV 80
Focal Length	4.4mm
ACCURACY OF TEMPERATURE MEASUREMENT	
Measuring Range	30C ~45C
Accuracy	+0.5C @environment temperature of 10C ~40C
Measurement Distance	<=4m
MACHINE INTERFACE	
Machine Interface	HDMI
ELECTRICAL	
Power Input	AC100-240V, 50/60Hz, 0.5A
Power Output	DC 5V 3A

3. Packing Specifications and Components.

This product comes with all you need to setup your screening process.

PACKING SPECIFICATIONS	
Length	20-5/16 in. (52cm)
Width	15-1/2 in. (39cm)
Height	7-3/8 in. (19cm)
Weight	19lb (8.5Kg)

*Technical parameters are for reference only. If there are changes, actual parameters shall prevail, without further notice.

4. Components List.

1	Tripod			
2	Thermal Camera			
3	Mouse			
4	Power Supply (Monitor)			
5	HDMI Cable			
6	LCD Monitor			
7	Power Supply (Camera)			



SECTION 02

SETUP



5. INSTALLATION

- (1) Remove the tripod from the storage box, and setup to its maximum height.
- (2) Place the Dual Vision Thermal Camera onto the tripod, carefully tightening the holding screw so that it is firmly fixed to the tripod. Make sure the camera is facing the monitoring area, being flush with People's height. The angle between the camera and the channel shall be controlled within 45° (The traffic area needs to be well lit)
- (3) Connect one end of HDMI cable to "Interface A" on the camera/smart box rear, and the other end to the provided LCD Monitor, or a television/monitor with audio functions.
- (4) Connect the Thermal Camera's power supply to a wall socket, and the input end connects to "interface B" on the camera/smart box rear
- (5) If using the provided LCD monitor, connect it to its power supply and turn ON. The same if using and external Television, turn ON and look for the HDMI input that the camera is connected to.



MOUSE FUNCTION LAYOUT



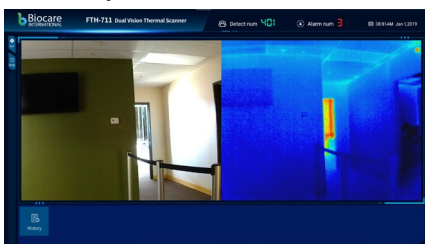
7. USING THE SOFTWARE

(1) Starting the application

The software application will start automatically, once the Thermal Camera/Smart BOX is powered on. To enter the application manually, use the provided Air mouse; once in the homepage, look for the FS265 Pro application and press the mouse's "trigger" button to start the software. When the smart BOX is used for the first time or if the application has been re-installed, the software needs to get new permissions. In this case, the software won't start automatically; please select the application manually and allow it access permission.

You can exit to the homepage at any time, by pressing the back button on the air mouse (*right button next to scroll dial*)

(2) Setup



(2.1) Internet

Connect the Smart BOX to the Internet, as follows:

- Go to the homepage by pressing the back button. (*Right button, next to the scroll dial*)
- Hover over to the settings tab and click "Settings".
- Select Wi-Fi, and select **ON**
- Look for your wi-fi network and enter your password to connect.

(2.2) Date & Time

- Still in the settings page, scroll down to "Date & Time" and click on this tab
- On the first line "**Automatic Date & Time**" should be checked
- A few lines down in "**Select Time-zone**", check to see it is in your correct time-zone, by clicking on the tab, and selecting the time-zone of your city/area
- Go back to the home-page by clicking the back button (*right button next to scroll dial*)

(3) Side by side HD Visible Light, & Infrared Light Real-time Images



The left half of the interface, is the real-time visible-light image. The software will recognize the human face and display real-time body temperature. The software supports 10-face recognition simultaneously.

The infrared light real-time image is on the right side

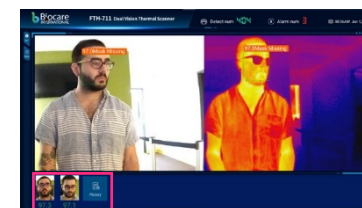
(4) Information Display of People Stream Detected



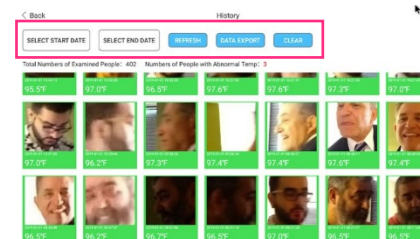
On the upper right side of the interface:

- "Detect num" - shows the total number of people detected by the software in that day.
- "Alarm num" - shows the number of people that have triggered an alarm on that day (abnormal temperature).
- The rightmost shows the current date and time (It cannot be set manually: automatic date & time need to be setup in settings – See step#2)

(5) History



The detected faces and their temperatures are displayed below the main interface. Hover the mouse to "History" and press "trigger" button. Here in the "History's Interface", all the recorded images are displayed. The boxes in the green background have normal temperatures, while those in red have abnormal temperatures.



(5.1) Clearing the history

- To clear the history, select "Clear".
- On the pop-up window, select "0" (# of photos retained) and then "OK"

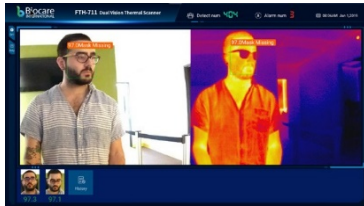
(5.2) Data Filtering

- In order to just filter the data or photos you want to view for a determined date, select the "start date" and "end date"
- In the drop-down menu of temperature, three display modes can be selected: total, normal, or abnormal.
- Select "refresh" and the selected data will be displayed

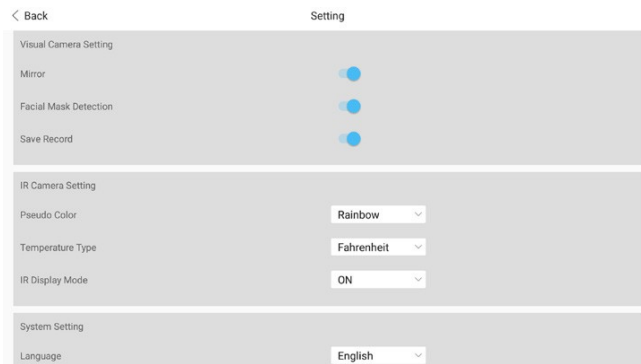
(5.3) Exporting Data

- Click "Data Export" to export all records, and the export results are placed in the "FS256_export" file folder.

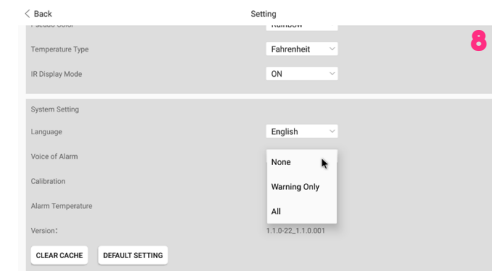
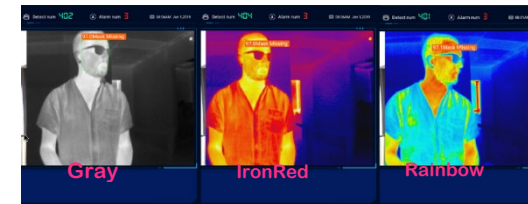
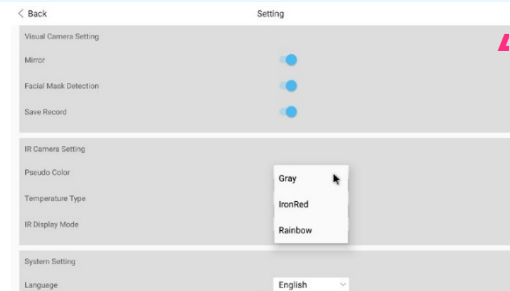
(6) Parameter Settings



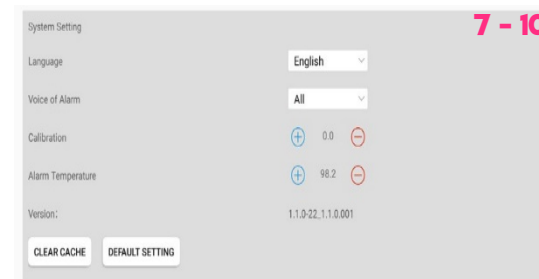
Click the "Set" button on the left, and then the "Settings Interface" will pop up.



Category	Line No.	Setting	Description	Toggle
Visual Camera Settings	1	Mirror	Flips camera image 180	Yes / No
	2	Mask Detection	Detects mask wearers	Yes / No
	3	Save Record	Saves the data	Yes / No
IR Camera Setting	4	Pseudo Color	IR camera image color	Gray / Ironred / Rainbow
	5	Temp Type	Temp type	Celsius / Fahrenheit
	6	IR display mode	Image display	IR+visible / Visible / Picture in Picture
System Settings	7	Language	Language	English / Mandarin
	8	Voice of Alarm	Alarm alerts	* None / Warning Only / All
	9	Calibration	Calibrate temp setting	Set + or - (decimals)
	10	Alarm Temp	Temp to set alarm off	Set + or - (decimals)



*** Warning Only** - Will only alert, warnings (no mask, high temperature)
All - Will alert warnings, and normal temperatures.



8. ATTENTION

- (1) Please use the self-contained power adapter for power supply to guarantee personal safety and product life
- (2) Store and operate in a safe and dry environment
- (3) Do not remove parts arbitrarily to avoid failure or safety accidents
- (4) When the camera is not used for a long period of time, please store it back in its container in a dry environment





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