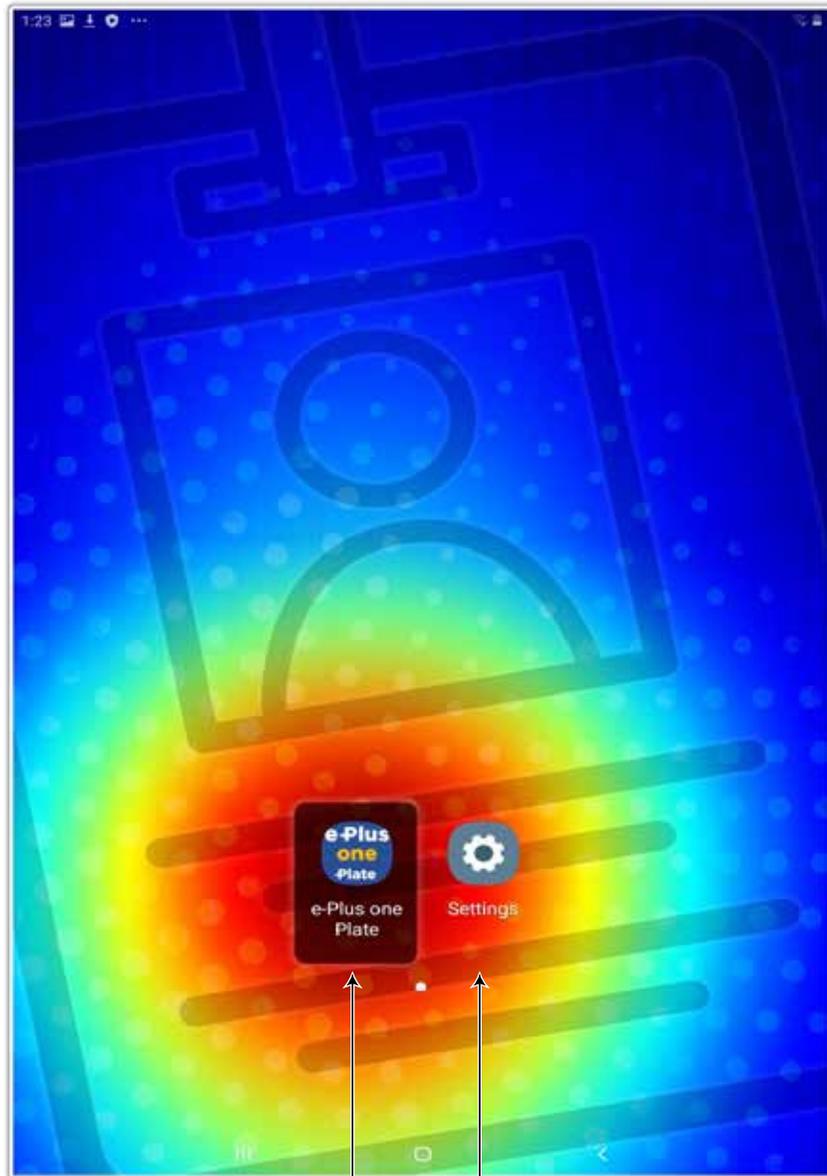


KIOSK HOME SCREEN

(e-PLUS Thermal scanning application only)



e-PLUS Thermal Temperature Scanning Application

General Kiosk/Tablet Settings

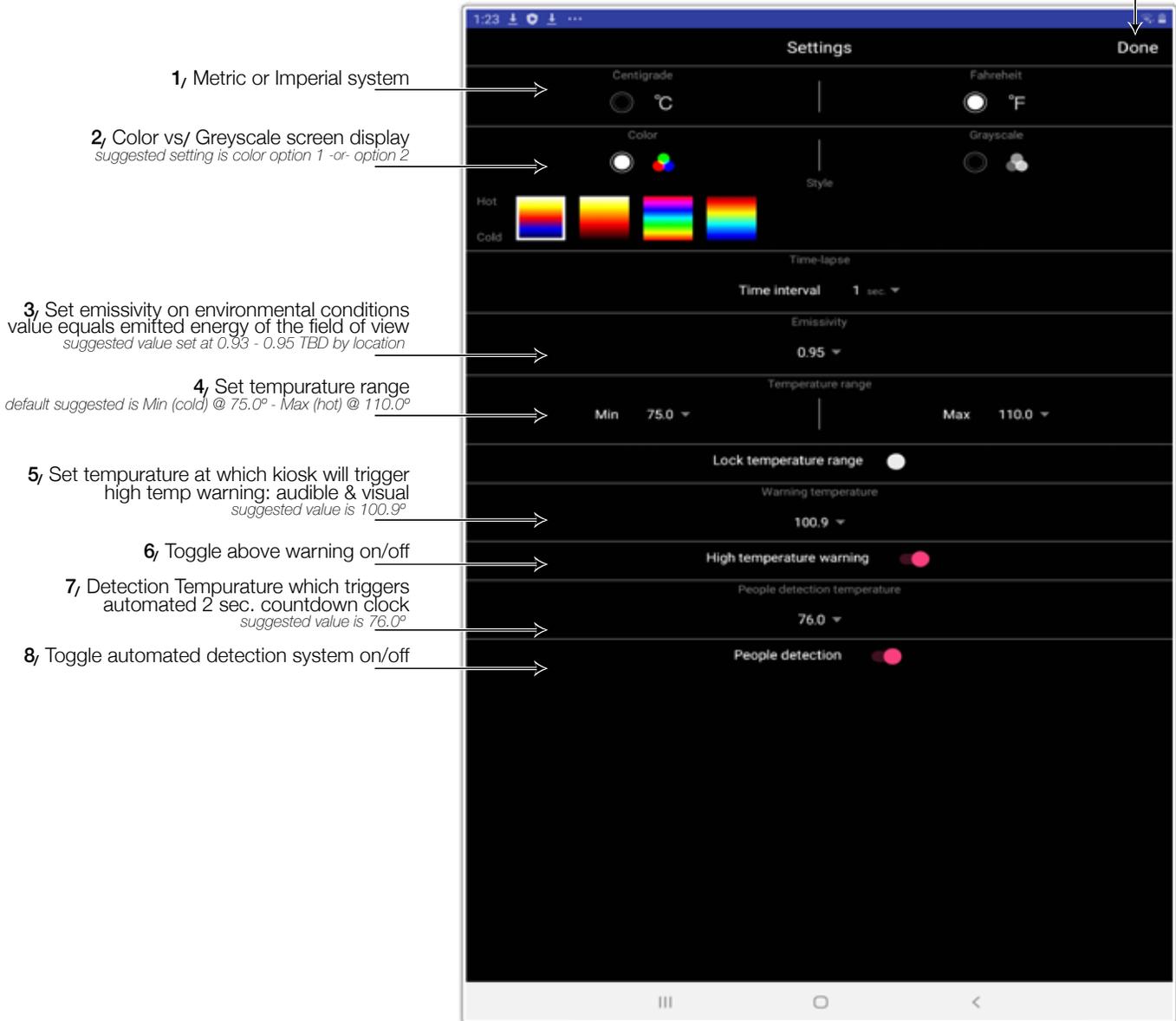
- a, Setup and/or confirm wireless connection to thermal camera unit.
 - a.1, Launch tablet settings app from home screen.
 - a.2, Select 'Connections' from Settings menu.
 - a.3, Confirm Wi-Fi is activated and on and select Wi-Fi to access available networks.
 - a.4, Confirm/Select network SSID TI-XX (*gen 1 camera*) or SSID eplusone_aXXX (*gen 2 camera*)
 - a.5, Confirm 'Auto reconnect' is selected
 - a.6, Save and Return Home

- b, Adjust screen brightness for location (*optional*)
 - b.1, Launch tablet settings app from home screen.
 - b.2, Select 'Display' from Settings menu.
 - b.3, Adjust 'Brightness' slider to desired level
 - b.4, Save and Return Home

APP SETUP SETTINGS

To enter the settings setup page, inside the E-Plus App, adjust to the camera function and select the gear icon at the bottom right corner of the app. The follow is the default settings your kiosk will be delivered with.

9, Close settings and return to scanning mode



ENVIRONMENTAL TUNING

3, Start your location tuning with an emissivity setting of 0.95 and adjust as needed. Value names are generic and are not substitute for proper tuning.

- 3.1, Using a traditional forehead scanner, take a reading of your setup subject.
- 3.2, Immediately move setup subject in front of thermal scanning kiosk
- 3.3, If the recorded temp. is too low, lower the emissivity to 0.94, 0.93 .. till the temp. is within acceptable range
- 3.4, If the recorded temp. is too high, raise the emissivity to 0.96, 0.97 .. till the temp. is within acceptable range

5, Start with your warning temperature setting at 100.9° F (or as local guidelines require) and adjust as needed.

- 5.1, Determine the reference ambient temperature of room by placing a piece of matte paper in ~12" from camera face and taking a reading.
- 5.2, If the ambient temperature of location is lower than 74°F, you may need to lower the warning temperature setting.
- 5.3, If the ambient temperature of location is higher than 77°F, you may need to raise the warning temperature setting.

7, Start with your person detection trigger temperature setting at 76.0° F and adjust as needed.

- 7.1, If trigger is too sensitive (*auto scan starting with no kiosk human interaction*), raise the detection temp.
- 7.1, If trigger is not sensitive enough (*auto scan NOT starting when person properly interacts with kiosk*), lower the detection temp

GENERAL OPERATIONS

a, Setup location should be inside a building, in a climate controlled environment with a recommended ambient temperature between 72° to 82° F

b, Setup location should also face a plain background, like a solid brick or drywall wall, with no excessive hot or cold objects in the measuring field of view. **Avoid aiming kiosk at a glass exterior window that may be affected to exterior temperature and solar heat.** Avoid areas that might be affected by daytime changing temperatures such as sun shift or AC/Heater ventilation.

c, Users should **remove any headwear that covers the face and/or forehead.** Glasses are recommended also to be removed.

Note: Scanning with a standard medical style facemask that covers just the mouth and nose tip only will affect reading values by slightly lowering the average temp returned, but should fall inside acceptable usage range if user is properly positioned inside screen silhouette as the temperature reading pixel location is at the forehead/eyes. Users with facemask that sit too high on the bridge of the nose or users with both glasses and facemasks might need to be lowered slightly to allow a full view of the face.

d, Optimal distance the user should offset the device is approximately 18” to 24” from kiosk camera. **The head/torso should fully fill the predefined silhouette** for the precise calculation of the proper pixels.

d, **Excessively sweaty or oily skin may adversely affect reading values** and if such a condition exists, a handheld scanner should be substituted.

e, Scanning directly after an activity which raises body temp -or- when entering from a location with a higher/lower ambient temperature may also adversely affect reading values. In such a scenario, it is suggested to allow at least three (3) mins to acclimatise skin temp before scanning or use alternate testing method.

GOOD



silhouette fully covered with no facial obstructions to block test area

POOR



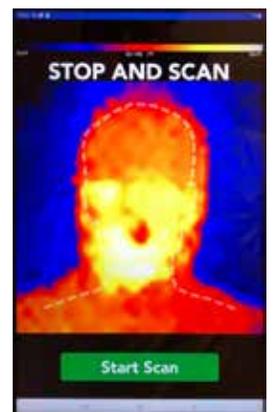
subject not properly placed in screen test area.



large face covering blocking too high a percentage of test area



facemask and glasses obscuring a large portion of the test area



sweaty skin adversely affecting temp readings

DAILY START-UP PROCESS

- 1, Plug unit into wall recepticle. Confirm camera LED activates.
- 2, Power on tablet via power access hole on rear, right side of tablet case. Hold button for 3 seconds to activate.
- 3, Once tablet is fully powered on, swip screen up to unlock and view home screen.
- 4, Launch Thermal Scanner application by selecting e-Plus One Plate icon
- 5, Test scanner calibration settings by running a test scan.

If adjustments are required:

- 5a,** Launch settings panel inside the e-Plus One app, adjust to the camera function and select the gear icon at the bottom right conrer of the app.
 - 5b,** If the recorded temp. is too low, lower the emissivity to 0.94, 0.93 .. till the temp. is within acceptable range
 - 5c,** If the recorded temp. is too high, raise the emissivity to 0.96, 0.97 .. till the temp. is within acceptable range
- 6, Ready to use

DAILY SHUT-DOWN PROCESS

- 1, Power off tablet via power access hole on rear, right side of tablet case. Hold button for 3 seconds to activate. shutdown screen.
- 2, Select Power Off. Tap a second time.
- 3, Unplug unit from wall.

TROUBLE SHOOTING

issue, Thermal image does not load upon launch of e-Plus One app

solution1, Confirm the camera is powered on and LED is active (Left upper side of camera lens port, Green LED Gen 1, Blue LED Gen 2). If LED is not active, confirm unit is plugged into wall recepticle.

solution2, If kiosk is plugged in, but camera is powered off or in standby mode (blue LED gen 1, Violet LED gen 2), use provided allen key tool in top power hole port to power camera on.

solution3, If proper LED is displaying, but no image, reset kiosk by closing all apps (select 3 bars on lower left side of screen, and swipe app closed) Enter tablet settings from home screen and disconnect from camera wifi and 'forget network' - reconnect camera wifi and reenter ePlus One app.

issue, Thermal image results not consistant with actual expected readings

solution1, Confirm the subject is standing in the proper position with a full view of the subjects head in the screen silohette. Confirm subject is standing still and not moving around in the screen silohette.

solution2, Confirm the subject facial features are free and clear of obstrutions or that the subject is not presenting excessively sweaty or oily skin as noted in the general operating instructions. If any of the above condions can not be rectified, an alternate temp testing method should be utilized.

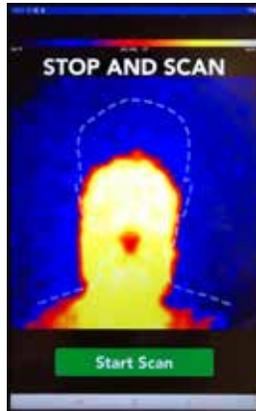
solution3, Confirm the daily calibration has been done and no outside environmental factors are not adversely affecting reading results, Recalibrate camera via the application settings page as noted in the app setup instructions and the daily start-up instructions.

GOOD

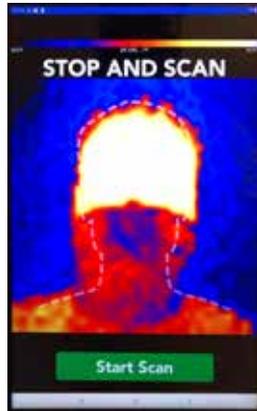


silohette fully covered with no facial obstructions to block test area

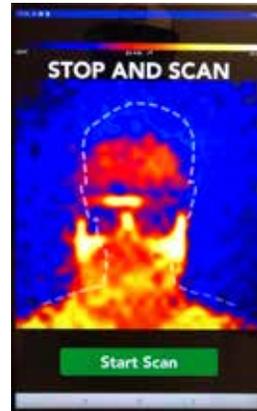
POOR



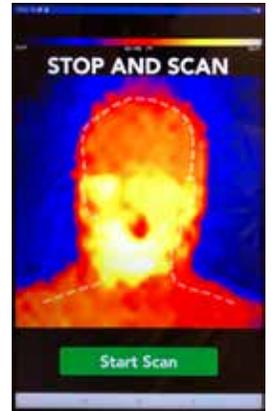
subject not properly placed in screen test area.



large face covering blocking too high a percentage of test area



facemask and glasses obscuring a large portion of the test area



sweaty skin adversely affecting temp readings

issue, Thermal image freezes and/or loses connection to camera.

solution1, Ensure multiple kiosks are not sharing a common SSID (gen 1 camera only)

solution2, Ensure tablet wifi is not connected to local wifi network as it may attempt to jump to stronger network if auto-reconnect is selected. (Auto reconnect is by default ON to allow the table to auto connect back to camera on power cycle. If turned off, wifi network will need to be selected every power cycle.

issue, Person detection auto countdown function not initiating

solution1, Adjust person detection temperature settings via the application settings page as noted in the app setup instructions