SKIN TEMPERATURE SCREENING SOLUTION
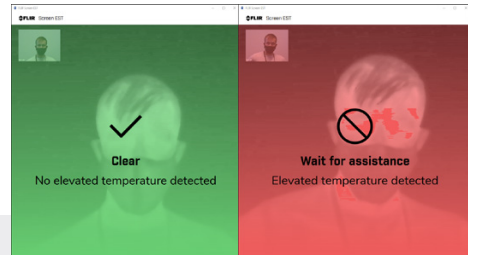
FLIR EST™ KIOSK

Quickly screen passengers, customers, or employees for signs of elevated skin temperature with the FLIR EST Kiosk, a non-contact screening tool that can serve as a first line of defense against potential health risks. This turnkey solution is built around a FLIR thermal imaging camera that detects and visualizes heat, allowing screeners to safely identify individuals with an elevated skin temperature. Pre-loaded FLIR Screen-EST™ software automatically targets the inner canthus (corner of the eye) for accurate, effective skin temperature measurement. Ready to use right out of the box, the kiosk includes a tablet computer with software, integrated FLIR radiometrically calibrated thermal camera, floor stand, and positioning floor sticker.

Contagions such as COVID-19, SARS, and other diseases can produce symptoms such as elevated skin temperature – a possible sign of infection. While FLIR cameras are not capable of detecting or diagnosing viruses, they can quickly screen individuals from a safe distance and determine whether their skin temperature is elevated.

www.flir.com/EST-Kiosk

EASY SETUP AND OPERATION
This turnkey solution is ready to use right out of the box

- Set up in minutes with preinstalled, preconfigured FLIR Screen-EST software on the included tablet
- Reduce the need for screening operators with this fully automated, self-service system
- Customize screening instructions, alert displays, and visible/thermal output

EFFICIENT, CONSISTENT RESULTS
FLIR screening solutions are non-contact, safe, and effective

- Automatically targets the inner canthus for fast, accurate screening
- Continuously updates average baseline sampling, reducing operator burden
- Increase throughput and avoid long wait times with easy to interpret pass/pause (green/red) alerts

ACCURATE TEMPERATURE SCREENING
Ensure correct results and avoid false alarms, regardless of environmental conditions

- Calibrated to measure temperatures from 15°C to 45°C (59°F to 113°F)
- Avoids false positives by comparing temperature readings to average baseline sampling
- Obtains accurate readings regardless of environmental conditions with ambient drift compensation

SPECIFICATIONS

Image and optical data	EST Kiosk Pro 24° (464 × 348)
Infrared resolution	464 × 348 pixels
Detector pitch	17 µm
Focal plane array/spectral range	Uncooled microbolometer/7.5–14 µm
Thermal resolution/NETD	<40 mK @ 30°C (86°F)
Frame rate	30 Hz
Optical data	
Included lens	24° (17 mm)
Field of view	24° × 18°
Focus	One-shot contrast, motorized, manual
Screening mode	
Temperature range	15°C to 45°C (59°F to 113°F)
Screening accuracy (drift)	±0.3°C / ±0.5°F
Image presentation	
Digital data streaming	Simultaneous thermal and visible
Command and control	Ethernet and Wi-Fi
Ethernet	
Ethernet connector type and standard	M12 8-pin X-coded, Female; 1000 Mbps, IEEE 802.3
Ethernet power	Power over Ethernet, PoE IEEE 802.3af class 3
Wi-Fi	
Connector type and standard	Female RP-SMA; IEEE802.11a/b/g/n
Connections	Peer to peer (ad hoc) or infrastructure (network)
General	
Power	PoE
External power operation	24/48 V DC 8 W max
External voltage	Allowed range = 18-56 VDC
Size (L × W × H)	360 × 270 × 1300 mm (14 × 11 × 51.2 in)
Weight	8.3 kg (18 lb)
Package contents	Camera unit, Microsoft® Surface Pro 7 tablet, tablet stand, mains cables (EU, UK, US), screening position floor sticker, FLIR Screen-EST license card, printed documentation

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