**INTEGRATED SYSTEM TO DETECT ELEVATED SKIN TEMPERATURE**

**FLIR A700-EST™ IS**

The FLIR A700-EST™ IS is a non-contact screening tool designed to detect elevated skin temperatures that can be a first line of defense against potential health risks.

The fully integrated, scalable solution includes the revolutionary FLIR A700 Thermal Camera paired with a high definition, user-friendly interface. Easy to deploy, the FLIR A700-EST IS detects and visualizes heat to quickly identify individuals with an elevated skin temperature.

Force readiness relies on the health and safety of the unit. Contagions such as COVID-19, SARS, and other viruses can manifest themselves in the form of elevated skin temperature—a possible sign of infection. While FLIR cameras are not capable of detecting or diagnosing viruses, the US FDA registered systems represent a simple, first measure to mitigate further contagion and possible rebound, providing confidence to return to normalcy and maintain unit readiness.

**FEATURES**

**RAPID SCREENING CAPABILITY**
Screens individuals in just seconds or, when used with multiple cameras in high traffic spaces, spots anomalies in skin temperatures to quickly identify individuals who may need further screening.

**INTUITIVE USER INTERFACE**
The screening function offers a simplified monitor view with large colored indicators that facilitate rapid decision-making. With just a few steps in the initial setup, users can quickly start the screening process. Privacy is ensured through an avatar display.

**INDUSTRY LEADING SENSITIVITY**
The A700-EST IS offers a high measurement accuracy with minimal temperature drift over time: just ±0.3°C (±0.5°F).

**510K REGISTRATION**
FLIR EST cameras meet the ISO/IEC/FDA recommendations, and FLIR maintains system registration with the FDA.

**DEPLOYED IN MINUTES**
Simple to set up with only two cables and PoE to operate the camera and touchscreen display. Once system is fully powered on initial set up, calibration takes approx. 10 minutes to complete before ready for use.

**APPLICATIONS**

**EFFICIENT WORKFORCE SCREENING**

**ARMED FORCES INSTALLATIONS**

**CONTRACTOR ACCESS SCREENING**

**SCREENING VISITORS**

**TRAINING AND FORCE READINESS**
**SPECIFICATIONS**

**Thermal Imager**

- **A700 Thermal Camera**

**IR Resolution**

- 640 x 480

**Thermal Sensitivity**

- <30 mK to <50 mK, lens dependent

**Lenses**

- 14°, 24°, and 42°

**IR Camera Focus**

- One-shot contrast, motorized, manual

**Measurement**

- **Object Temperatures**
  - -20°C to 2000°C (-4°F to 3632°F), 3 ranges

- **EST Accuracy (drift)**
  - ±0.3°C (±0.5°F)

- **Full Range Accuracy**
  - ±2°C (±4°F) or ±2% of reading

**Single-Head Remote Integrated EST Screening (A700-EST IS, P/N 29588-200)**

- **Sensor Head**
  - Single A700 Thermal Camera

- **Smart Display**
  - 12” Smart Display with options for touchscreen VESA or desktop mounted with software embedded

**Multi-Head Remote Integrated EST Screening (A700-EST IS-6, P/N 29588-201)**

- **Sensor Head**
  - Multiple A700 Thermal Cameras

- **Server Rack**
  - 4U Server Rack, GPU, i9, up to 6 heads with embedded software

- **Smart Display**
  - Customer stated display sizes available. VESA or desktop mounted

**FLIR Software**

- **UI**
  - Touchscreen-capable

- **Modes**
  - Avatar (privacy)
  - Enhanced Avatar (adjustability and color)
  - Color-coded elevated skin temp indicator (green, yellow)
  - Audio alarm
  - Sample size requirement notification
  - Key coded admin screen

**Power Requirements**

- **Voltage**
  - 120 or 220 VAC power

- **Cables**
  - Power over Ethernet (included power supply)

- **Battery**
  - Option for battery backup or battery power for remote locations

**DISCLAIMER:**

FLIR devices are intended for use as an adjunct to clinical procedures in the screening of skin surface temperature. Various environmental and methodological factors can impact thermal imaging; therefore, it should not be relied upon as the sole determinant of a person’s body temperature. Use of a medical device will be needed to identify elevated body temperature.

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