

P/N: 85903-0201

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Document identity

Publ. No.: 85903-0201

Commit: 72081

Language:

Modified: 2020-11-23

Formatted: 2020-11-23

Website

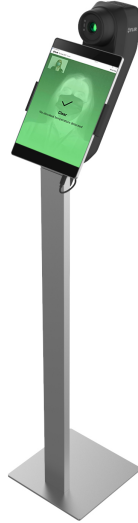
<http://www.flir.com>

Customer support

<http://support.flir.com>

Disclaimer

Specifications subject to change without further notice. Camera models and accessories subject to regional market considerations. License procedures may apply. Products described herein may be subject to US Export Regulations. Please refer to exportquestions@flir.com with any questions.



General

FLIR Systems provides different screening solutions for detection of elevated skin temperatures using thermal cameras. No thermal camera can detect or diagnose a virus or infection, but with a FLIR EST Thermal Screening Solution it is possible to identify individuals with skin temperatures that are above a specified threshold. An elevated temperature may be one indicator that the person being screened may have a fever.

The FLIR Screen EST Kiosk is a compact, plug-and-play FLIR EST Thermal Screening Solution. The FLIR Screen EST Kiosk automatically measures the skin temperature of the screened person, analyzes the measured temperature, and displays a screening result. If the measured temperature is higher than a reference average, an alarm will trigger.

Imaging and optical data

Infrared resolution	640 x 480 pixels
Thermal sensitivity (NETD)	<40 mK, 24° @ +30°C (+86°F)
Field of view (FOV)	24° × 18°
Minimum focus distance	0.15 m (0.49 ft)
Focal length	17 mm (0.67 in)
Spatial resolution (IFOV)	0.66 mrad/pixel
Lens identification	Automatic
f-number	1.3
Image frequency	30 Hz
Focus	<ul style="list-style-type: none"> • One-shot contrast • Motorized • Manual

Detector data

Focal plane array/spectral range	Uncooled microbolometer/7.5–14 μm
Detector pitch	12 μm



FLIR Screen EST Kiosk Pro 24° (640x480)

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Measurement	
Camera temperature range	15 to 45°C (59 to 113°F) Accuracy $\pm 0.3^{\circ}\text{C}$ ($\pm 0.5^{\circ}\text{F}$) when used with EST screening software
Configuration of camera	
Web interface	Yes
Video streaming	
Image quality	Bit rate set through Camera web
Video streaming, Image source 0:	
Resolution (source 0)	640 × 480 pixels
Contrast enhancement	FSX / Histogram equalization (IR only)
Overlay (source 0)	With / Without
Image source (source 0)	Visual / IR / MSX
Pixel format (source 0)	YUV411
Encoding (source 0)	H.264 / MPEG4 / MJPEG
Video streaming, Image source 1:	
Resolution (source 1)	1280 × 960 pixels
Overlay (source 1)	No
Image source (source 1)	Visual
Pixel format (source 1)	YUV411
Encoding (source 1)	H.264 / MPEG4 / MJPEG
Radiometric streaming	
Resolution (radiometric)	640 × 480 pixels
Source	IR
Pixel format (radiometric)	MONO 16
Encoding (radiometric)	<ul style="list-style-type: none">Compressed JPEG-LSFLIR Radiometric
Ethernet	
Interface	<ul style="list-style-type: none">WiredWi-Fi
Connector type	<ul style="list-style-type: none">M12 8-pin X-coded, FemaleRP-SMA, Female
Ethernet, purpose	Control, result, image, and power
Ethernet, type	1000 Mbps
Ethernet, standard	IEEE 802.3
Ethernet, communication	TCP/IP socket-based FLIR proprietary

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Digital Input/output	
Connector type	M12 12-pin A-coded, Male (shared with external power)
Digital output	<ul style="list-style-type: none"> • 3x opto-isolated, 0–48 V DC, max. 350 mA (derated to 200 mA at 60C) • Solid state opto relay • 1x dedicated as Fault output (NC)
Digital output, purpose	As function of alarm, output to external device, for example when the screening alarm is triggered.
Digital I/O, isolation voltage	500 VRMS
Camera power system	
Connector type	M12 12-pin A-coded, Male (shared with Digital I/O)
Power consumption	<ul style="list-style-type: none"> • 7.5 W at 24 V DC typical • 7.8 W at 48 V DC typical • 8.1 W at 48 V PoE typical
External power operation	24/48 V DC 8 W max
External voltage	Allowed range 18–56 V DC
Wi-Fi (Option)	
Connector type	RP-SMA, Female
Standard	IEEE802.11a/b/g/n
Antenna	Dipole antenna 2.4/5 GHz (gain: maximum 2 dBi)
Connection type	Peer to peer (ad hoc) or infrastructure (network)
Physical data	
Camera unit: Size (L × W × H)	460 × 110 × 180 mm (18 × 4.3 × 7.1 in.)
Camera unit: Weight	2.5 kg (5.5 lb.)
FLIR Screen EST Kiosk: Size (L × W × H)	360 × 270 × 1300 mm (14 × 11 × 51.2 in.)
FLIR Screen EST Kiosk: Weight	8.3 kg (18 lb.)
Warranty and service	
Warranty	http://www.flir.com/warranty/
Shipping information	
Packaging, type	Cardboard box
Packaging, contents	<ul style="list-style-type: none"> • Camera unit • Surface Pro7 tablet • Tablet stand • Mains cables (Europe, UK, US) • Screening position floor sticker • FLIR Screen EST license card • Printed documentation
Packaging, weight	14 kg (31 lb)
Packaging, size	1170 × 680 × 150 mm (46.1 × 27 × 5.9 in.)
EAN-13	7332558027592



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Shipping information	
UPC-12	845188023645
Country of origin	Sweden

Supplies & accessories:

- T131177; Roll-up, Backdrop for screening
- T131178; Floor sticker, Direction arrow (5 pcs)
- T131179; Floor sticker, Queue markers (5 pcs)
- T131181; Floor sticker, Position for screening