FLIR E53

La cámara térmica FLIR E53 cuenta con numerosas funcionalidades útiles para encontrar puntos calientes, detectar los primeros signos de deficiencias en los edificios, solucionar problemas en sistemas eléctricos y mecánicos, y evitar otros problemas antes de que provoquen daños graves.

Calificación: Sin calificación
Precio

Haga una pregunta sobre este producto

Fabricante:Flir

Descripción

FLIR ha rediseñado completamente las cámaras térmicas de la serie Exx para ofrecer un rendimiento, una resolución y una sensibilidad inigualables en una cámara termográfica portátil de este formato. La cámara térmica FLIR E53 cuenta con numerosas funcionalidades útiles para encontrar puntos calientes, detectar los primeros signos de deficiencias en los edificios, solucionar problemas en sistemas eléctricos y mecánicos, y evitar otros problemas antes de que provoquen daños graves.

Prestaciones de la FLIR E53

Visión clara con cualquier ángulo

La pantalla LCD nítida de 4" con ángulo de visión de 160° de gran luminosidad.

Calibración de alta temperatura

La cámara de infrarrojos FLIR E53 tiene capacidad de medida en un amplio rango de medición, de -20 a 120 °C en el rango bajo y de 0 a 650 °C en el alto.

Interfaz y navegación intuitivas

La pantalla táctil capacitiva y los cómodos botones de menú facilitan la navegación y el control de la cámara térmica con una sola mano.

Mejora superior de escenas MSX®

Incorpora la última versión de la tecnología patentada MSX®, que importa en tiempo real las aristas del espectro visible capturados con la cámara fotográfica a la imagen termográfica, logrando una mejor comprensión de la imagen térmica.

Garantía 2-10 líder en el sector

FLIR respalda la serie Exx con la mejor garantía del mercado, para la batería, el cuerpo y el detector.

Imaging and optical data	
Infrared resolution	240 × 180 pixels
NETD	. <0.4° C@30°C (86°F)
Field of view	24°
Minimum focus distance	0.15 m (0.49 ft.)
Minimum focus distance with MSX	0.5 m (1.64 ft.)
Focal length	17 mm (0.67 in.)
Spatial resolution (IFOV)	1.75 mrad/pixel
Lens identification	Automatic
f number	1.3
Image frequency	30 Hz
Focus	Manual
Field of view match	Yes
Digital zoom	1–4× continuous

Detector data	
Focal plane array/spectral range	Uncooled microbolometer/7.5–14 µm
Detector pitch	17 µm

Image presentation	
Resolution	640 × 480 pixels (VGA)
Surface brightness (cd/m2)	400
Screen size	4 in.
Viewing angle	80°
Color depth (bits)	24
Aspect ratio	4:3
Auto-rotation	Yes
Touchscreen	Optically bonded PCAP
Display technology	IPS
Cover glass material	Dragontrail®
Programmable buttons	1
Viewfinder	No
Image adjustment	• Automatic • Automatic maximum • Automatic minimum • Manual

Image presentation modes

Image presentation modes	
Infrared image	Yes
Visual image	Yes
Thermal fusion	No
MSX	Yes
Picture in Picture	Centered infrared area on the visual image
Gallery	Yes

Measurement	
Camera temperature range	• −20 to 120°C (−4 to 248°F) • 0 to 650°C (32 to 1202°F)

Object temperature range and accuracy (for ambient temp. 15 to 35°C (59 to 95°F)	• Range −20 to 120°C (−4 to 248°F):
	  ◦ −20 to 100°C (−4 to 212°F): ±2°C (±3.6°F)
	  ◦ 100 to 120°C (212 to 248°F): ±2%
	• Range 0 to 650°C (32 to 1202°F):
	  ◦ 0 to 100°C (32 to 212°F): ±2°C (±3.6°F)
	  ◦ 100 to 650°C (212 to 1202°F): ±2%

Screening mode	
Sampling average mode	Recommended temperature range: 30 to 45°C (86 to 113°F) in stable room temperature Accuracy (drift): ±0.3°C (±0.5°F) [1]

Measurement analysis	
Spotmeter	3 in live mode
Area	1 in live mode
Automatic hot/cold	Auto-

Measurement analysis detection	maximum/minimum markers within area
Measurement presets	• No measurements • Center spot • Hot spot • Cold spot • 3 spots • Hot spot–Spot
Difference temperature	Yes: as preset (Hot spot–Spot)
Reference temperature	Yes: in preview mode
Emissivity correction	Yes: variable from 0.01 to 1.0 or selected from materials list
Measurement corrections	Yes
External optics/windows correction	Yes

Alarm

Color alarm (isotherm)	• Above • Below • Interval • Condensation (moisture/humidity/dewpoint) • Insulation
Measurement function alarm	Audible/visual alarms (above/below)

Set-up

Color palettes	• Iron • Gray • Rainbow • Arctic • Lava • Rainbow HC
Setup commands	Local adaptation of units, language, date and time formats
Languages	21

Service functions

Camera software update	Using USB cable or SD card

Storage of images

Storage media	Removable memory; SD card (8 GB)
Remote control operation	Using USB cable or Wi-Fi
Image file format	Standard JPEG, measurement data included. Infrared-only mode

Image annotations

Image annotations

Voice	60 seconds built-in microphone and speaker (and via Bluetooth) on still images and video
Text	Text from predefined list or soft keyboard on touchscreen
Visual image annotation	Yes
Image sketch	Yes: on infrared images only
Sketch	From touchscreen
METERLiNK	Wireless connection (Bluetooth) to:
	FLIR meters with METERLiNK
Compass	Yes
Laser distance meter information	No
Area measurement information	No
GPS	Yes: location data automatically added to every still image and the first frame in video from built-in GPS

Video recording in camera

Radiometric infrared-video recording	RTRR (.csq)
Non-radiometric infrared-video recording	H.264 to memory card
Visual video recording	H.264 to memory card

Video streaming

Radiometric infrared–video streaming (compressed)	Over UVC
Non-radiometric video streaming (compressed: IR, MSX, visual, Picture in Picture)	• H.264 (AVC) over RTSP (Wi-Fi) • MPEG4 over RTSP (Wi-Fi) • MJPEG over UVC and RTSP (Wi-Fi)
Visual video streaming	Yes

Digital camera

Resolution	5 MP with LED light
Focus	Fixed
Field of view	53° × 41°
Video lamp	Built-in LED light

Laser pointer

Laser pointer	Yes

Data communication interfaces	
Interfaces	USB 2.0, Bluetooth, Wi-Fi, DisplayPort
METERLiNK/Bluetooth	Communication with headset and external sensors
Wi-Fi	Peer to peer (ad hoc) or infrastructure (network)
Audio	Microphone and speaker for voice annotation of images
USB	USB Type-C: data transfer/video/power
USB standard	USB 2.0 High Speed
Video out	DisplayPort
Video connector type	DisplayPort over USB Type-C

Radio	
Operating frequency	Bluetooth + EDR/LE: 2402–2480 MHz
	WLAN 2.4 GHz: 2412–2462 MHz
	WLAN 5 GHz: 5150–5350 MHz (DFS: only slave mode)
	Note that frequency band 5150–5350 MHz is for indoor use only, see national regulations.
RF output (EIRP)	Bluetooth + EDR/LE: < 10 dBm
	WLAN: < 17 dBm
Antenna	Integrated PIFA antenna (gain: maximum 1.4 dBi)

Power system	
Battery type	Rechargeable Li-ion battery
Battery voltage	3.6 V
Battery operating time	> 2.5 hours at 25°C (68°F) and typical use
Charging system	In camera (AC adapter or 12 V from a vehicle) or two-bay charger
Charging time (using two-bay charger)	2.5 hours to 90% capacity with charging status indicated by LEDs
Charging temperature	0°C to +?45°C (+?32°F to +?113°F)?, except for the Korean market: +10°C to +?45°C (+?50°F to

Power system	
	+?113°F)?
External power operation	AC adapter 90–260 V AC, 50/60 Hz, or 12 V from a vehicle (cable with standard plug—optional)
Power management	Automatic shut-down and sleep mode

Environmental data	
Operating temperature range	−15 to +50°C (5–122°F)
Storage temperature range	−40 to +70°C (−40 to +158°F)
Humidity (operating and storage)	IEC 60068-2-30/24 hours/95% relative humidity 25–40°C (77–104°F)/two cycles
EMC	• ETSI EN 301 489-1 (radio) • ETSI EN 301 489-17 • EN 61000-6-2 (immunity) • EN 61000-6-3 (emission) • FCC 47 CFR Part 15 Class B (emission)
Radio spectrum	• ETSI EN 300 328 • FCC Part 15.249 • RSS-247 Issue 2
Encapsulation	IP 54 (IEC 60529)
Shock	25g (IEC 60068-2-27)
Vibration	2g (IEC 60068-2-6)
Drop	Designed for 2 m (6.6 ft.)
Safety	EN/UL/CSA/PSE 60950-1

Physical data	
Weight (including battery)	1 kg (2.2 lb.)
Size (L × W × H)	278.4 × 116.1 × 113.1 mm (11.0 × 4.6 × 4.4 in.)
Battery weight	140 g (4.9 oz.)
Battery size (L × W × H)	150 × 46 × 55 mm (5.9 × 1.8 × 2.2 in.)
Tripod mounting	UNC ¼?-20
Housing material	PCABS with TPE, magnesium
Color	Black

Comentarios

Aún no hay comentarios para este producto.

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