

FLIR T-Series

640 x 480

CFLIR

FLIR T640bx

First Choice for Professional Thermographers (Building)

The exciting new FLIR T640bx moves to the head of its class in professional and expert level cameras, providing the highest infrared resolution in the T-Series line and a new list of impressive features.

- 5 MP visible light camera with lamp
- 4.3" Bright Touch-screen LCD
- 8× Digital Zoom
- Voice, text, sketch, and draw-direct annotation





Touch-Screen

5 MP Digital Camera with Lamp

- P-i-P and fusion to superimpose thermal imagesRealtime video frame rate
- Instant Reports
- Insulation/ humdity alarm design for building applications



Tiltable Lens



Delta T-Differential Temperature

FLIR T640bx Features

- New! Highest IR Resolution in Its Class - Crisp thermal images up to 307,200 pixels (640 x 480) for greater accuracy and readability from longer range distances
- New! Higher Resolution Digital Camera - 5 megapixel detector with LED lamps provides sharper visible light images for clear reference pictures of target objects
- New! Large Touch-screen 4.3" LCD displays bright, sharp images and graphics with intuitive interface and efficient on-screen report generation
- Viewfinder Built-in color viewfinder for easier viewing in bright environments
- New! More Measurement Tools

 Report further details with 10 measurement spots, 5 box areas, Delta T-Differential temperature, isotherm, and auto hot/cold markers

- High Thermal Sensitivity -Sensitivity of 0.04°C at 30°C. Detailed, low-noise imaging to detect the smallest temperature differences and subtle problems
- Ergonomic Tilting Lens Popular T-Series design allows 120° rotation of optical block for more comfortable operation when capturing images from challenging angles
- Advanced Optics A range of lenses to fit your application needs including the standard 25° and optional 15°, and 45° optics
- Thermal Fusion and P-i-P Blend thermal and visible light images onscreen and scale picture-in-picture overlays to identify targets and locations easily

- Measurement presets line profile and Humidity/Insulation Alarm specially for Buildings.
- Video Recording MPEG4 nonradiometric IR or daylight video recording to SD card
- 8x Digital Zoom Measurement presets and Line profile
- Realtime video frame rate
- Instant Reports





FLIR T640bx Specifications

Imaging and optical data	
Field of view (FOV) / Minimum focus distance	25° × 19° / 0.25 m (0.82 ft.)
Spatial resolution (IFOV)	0.68 mrad
Thermal sensitivity/NETD	<40 mK@+30°C(+86°F)
Image frequency	30 Hz
Focus	Automatic (one shot) or manual
Zoom	1–8× continuous, digital zoom, including panning
Focal Plane Array (FPA) / Spectral range	Uncooled microbolometer / 7.8–14 µm
IR resolution	640 × 480 pixels
Image presentation	040 × 400 pixels
Display	Built-in Touch-screen, 4.3 in. wide screen LCD, 800 × 480 pixels
Viewfinder	Built-in 800 × 480 pixels
Automatic image adjustment	Continuous/manual; linear or histogram based; possible to lock max,
, account of the second s	min or span temperature
Manual image adjustment	Level/span/max/min
Image modes	IR image, visual image, thermal fusion, Picture-in-Picture, thumbnail gallery
Thermal fusion	IR image shown above, below or within temp interval on visual image
Picture-in-Picture	Resizable and movable IR area on visual image
Measurement	nesizable and movable in a ea on visual image
Temperature range	-20°C to +150°C (-4°F to +302°F), +100°C to +650°C (+212°F to +1202°F)
Accuracy	=20 C (± 1:50 C (=4 F (0 +302 F), +100 C (0 +050 C (+212 F (0 +1202 F)) ±2°C (±3.6°F) or ±2% of reading
Measurementanalysis	±2 C(±3.0 F) 01 ±2 % 01 reduiling
-	10
Spotmeter	10 E bayes ar sireles with may (min (systems)
Area	5 boxes or circles with max./min./average
Automatic hot/cold detection	Max/Min temp. value and position shown within box, circle or on a line
Isotherm	Above/below/interval
Profile	1 live line
Measurement presets	Yes
Difference temperature	Delta temperature between measurement functions or reference temperature
Reference temperature	Manually set or captured from any measurement function
Emissivity correction	Variable from 0.01 to 1.0 or selected from materials list
Measurement corrections	Reflected temperature, optics transmission, atmospheric trans and external optics
Humidity alarm	1 humidity alarm, including dew point alarm
Insulation alarm	1 insulation alarm
Set-up	
Color palettes	Iron, Gray, Rainbow, Arctic, Lava, Rainbow HC
•	Configure information to be shown in image; programmable button; local
Color palettes	
Color palettes	Configure information to be shown in image; programmable button; local
Color palettes Set-up commands	Configure information to be shown in image; programmable button; local adaptation of units, language, date and time formats, camera software update
Color palettes Set-up commands Camera software update	Configure information to be shown in image; programmable button; local adaptation of units, language, date and time formats, camera software update
Color palettes Set-up commands Camera software update Storage of images	Configure information to be shown in image; programmable button; local adaptation of units, language, date and time formats, camera software update Use PC software FLIR Tools
Color palettes Set-up commands Camera software update Storage ofimages Image storage	Configure information to be shown in image; programmable button; local adaptation of units, language, date and time formats, camera software update Use PC software FLIR Tools Standard JPEG, including measurement data, on memory card
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Color palettes Set-up commands Camera software update Storage of images Image storage Image storage mode Video recording in camera and streaming to PC	Configure information to be shown in image; programmable button; local adaptation of units, language, date and time formats, camera software update Use PC software FLIR Tools Standard JPEG, including measurement data, on memory card IR/visual images, simultaneous storage of IR and visual images. Visual and IR image automatically grouped together MPEG-4 to memory card
Color palettes Set-up commands Camera software update Storage ofimages Image storage Image storage mode Video recording in camera and streaming to PC Non-radiometric IR and Digital camera video recording	Configure information to be shown in image; programmable button; local adaptation of units, language, date and time formats, camera software update Use PC software FLIR Tools Standard JPEG, including measurement data, on memory card IR/visual images, simultaneous storage of IR and visual images. Visual and IR image automatically grouped together
Color palettes Set-up commands Camera software update Storage ofimages Image storage Image storage mode Video recording in camera and streaming to PC Non-radiometric IR and Digital camera video recording Non-radiometric IR and Digital streaming	Configure information to be shown in image; programmable button; local adaptation of units, language, date and time formats, camera software update Use PC software FLIR Tools Standard JPEG, including measurement data, on memory card IR/visual images, simultaneous storage of IR and visual images. Visual and IR image automatically grouped together MPEG-4 to memory card MPEG4 using USB
Color palettes Set-up commands Camera software update Storage ofimages Image storage Image storage mode Video recording in camera and streaming to PC Non-radiometric IR and Digital camera video recording Non-radiometric IR and Digital streaming Data communication interfaces	Configure information to be shown in image; programmable button; local adaptation of units, language, date and time formats, camera software update Use PC software FLIR Tools Standard JPEG, including measurement data, on memory card IR/visual images, simultaneous storage of IR and visual images. Visual and IR image automatically grouped together MPEG-4 to memory card
Color palettes Set-up commands Camera software update Storage of images Image storage Image storage mode Video recording in camera and streaming to PC Non-radiometric IR and Digital camera video recording Non-radiometric IR and Digital streaming Data communication interfaces Interfaces	Configure information to be shown in image; programmable button; local adaptation of units, language, date and time formats, camera software update Use PC software FLIR Tools Standard JPEG, including measurement data, on memory card IR/visual images, simultaneous storage of IR and visual images. Visual and IR image automatically grouped together MPEG-4 to memory card MPEG4 using USB USB-mini, USB-A, Digital Video Output • USB-A: Connect external USB device
Color palettes Set-up commands Camera software update Storage ofimages Image storage Image storage Video recording in camera and streaming to PC Non-radiometric IR and Digital camera video recording Data communication interfaces Interfaces USB	Configure information to be shown in image; programmable button; local adaptation of units, language, date and time formats, camera software update Use PC software FLIR Tools Standard JPEG, including measurement data, on memory card IR/visual images, simultaneous storage of IR and visual images. Visual and IR image automatically grouped together MPEG-4 to memory card MPEG4 using USB USB-mini, USB-A, Digital Video Output • USB-A: Connect external USB device • USB Mini-B: Data transfer to and from PC/streaming
Color palettes Set-up commands Camera software update Storage of images Image storage Image storage mode Video recording in camera and streaming to PC Non-radiometric IR and Digital camera video recording Non-radiometric IR and Digital streaming Data communication interfaces Interfaces USB Video out	Configure information to be shown in image; programmable button; local adaptation of units, language, date and time formats, camera software update Use PC software FLIR Tools Standard JPEG, including measurement data, on memory card IR/visual images, simultaneous storage of IR and visual images. Visual and IR image automatically grouped together MPEG-4 to memory card MPEG4 using USB USB-mini, USB-A, Digital Video Output • USB-A: Connect external USB device • USB Mini-B: Data transfer to and from PC / streaming Digital Video Output (DVI)
Color palettes Set-up commands Camera software update Storage of images Image storage Image storage mode Video recording in camera and streaming to PC Non-radiometric IR and Digital camera video recording Non-radiometric IR and Digital streaming Data communication interfaces Interfaces USB Video out Video, connector type	Configure information to be shown in image; programmable button; local adaptation of units, language, date and time formats, camera software update Use PC software FLIR Tools Standard JPEG, including measurement data, on memory card IR/visual images, simultaneous storage of IR and visual images. Visual and IR image automatically grouped together MPEG-4 to memory card MPEG4 using USB USB-mini, USB-A, Digital Video Output • USB-A: Connect external USB device • USB Mini-B: Data transfer to and from PC/streaming
Color palettes Set-up commands Camera software update Storage of images Image storage Image storage mode Video recording in camera and streaming to PC Non-radiometric IR and Digital camera video recording Non-radiometric IR and Digital streaming Data communication interfaces Interfaces USB Video out Video, connector type Power system	Configure information to be shown in image; programmable button; local adaptation of units, language, date and time formats, camera software update Use PC software FLIR Tools Standard JPEG, including measurement data, on memory card IR/visual images, simultaneous storage of IR and visual images. Visual and IR image automatically grouped together MPEG-4 to memory card MPEG4 using USB USB-mini, USB-A, Digital Video Output • USB-A: Connect external USB device • USB Mini-B: Data transfer to and from PC / streaming Digital Video Output (OVI) HDMI compatible
Color palettes Set-up commands Camera software update Storage of images Image storage Image storage Image storage mode Video recording in camera and streaming to PC Non-radiometric IR and Digital camera video recording Non-radiometric IR and Digital streaming Data communication interfaces Interfaces USB Video out Video, connector type Powersystem Battery	Configure information to be shown in image; programmable button; local adaptation of units, language, date and time formats, camera software update Use PC software FLIR Tools Standard JPEG, including measurement data, on memory card IR/visual images, simultaneous storage of IR and visual images. Visual and IR image automatically grouped together MPEG-4 to memory card MPEG4 using USB USB-mini, USB-A, Digital Video Output • USB-A: Connect external USB device • USB Mini-B: Data transfer to and from PC / streaming Digital Video Output (DVI) HDMI compatible Li lon, 3 hours operating time
Color palettes Set-up commands Camera software update Storage ofimages Image storage Image storage mode Video recording in camera and streaming to PC Non-radiometric IR and Digital camera video recording Non-radiometric IR and Digital streaming Data communication interfaces Interfaces USB Video out Video, connector type Powersystem Battery Charging system	Configure information to be shown in image; programmable button; local adaptation of units, language, date and time formats, camera software update Use PC software FLIR Tools Standard JPEG, including measurement data, on memory card IR/visual images, simultaneous storage of IR and visual images. Visual and IR image automatically grouped together MPEG-4 to memory card MPEG4 using USB USB-mini, USB-A, Digital Video Output • USB-A: Connect external USB device • USB Mini-B: Data transfer to and from PC / streaming Digital Video Output (DVI) HDMI compatible Li lon, 3 hours operating time In camera (AC adapter or 12 V from a vehicle) or 2-bay charger
Color palettes Set-up commands Camera software update Storage ofimages Image storage Image storage mode Video recording in camera and streaming to PC Non-radiometric IR and Digital camera video recording Non-radiometric IR and Digital streaming Data communication interfaces Interfaces USB Video out Video, connector type Power system Battery Charging system Power management	Configure information to be shown in image; programmable button; local adaptation of units, language, date and time formats, camera software update Use PC software FLIR Tools Standard JPEG, including measurement data, on memory card IR/visual images, simultaneous storage of IR and visual images. Visual and IR image automatically grouped together MPEG-4 to memory card MPEG4 using USB USB-mini, USB-A, Digital Video Output • USB-A: Connect external USB device • USB Mini-B: Data transfer to and from PC / streaming Digital Video Output (DVI) HDMI compatible Li lon, 3 hours operating time
Color palettes Set-up commands Camera software update Storage ofimages Image storage Image storage mode Video recording in camera and streaming to PC Non-radiometric IR and Digital camera video recording Non-radiometric IR and Digital streaming Data communication interfaces Interfaces USB Video out Video, connector type Powersystem Battery Charging system Power management Environmental data	Configure information to be shown in image; programmable button; local adaptation of units, language, date and time formats, camera software update Use PC software FLIR Tools Standard JPEG, including measurement data, on memory card IR/visual images, simultaneous storage of IR and visual images. Visual and IR image automatically grouped together MPEG-4 to memory card MPEG4 using USB USB-mini, USB-A, Digital Video Output • USB-A: Connect external USB device • USB Mini-B: Data transfer to and from PC / streaming Digital Video Output (DVI) HDMI compatible Li lon, 3 hours operating time In camera (AC adapter or 12V from a vehicle) or 2-bay charger Automatic shutdown and sleep mode (user selectable)
Color palettes Set-up commands Camera software update Storage of images Image storage Image storage mode Video recording in camera and streaming to PC Non-radiometric IR and Digital camera video recording Non-radiometric IR and Digital streaming Data communication interfaces Interfaces USB Video out Video, connector type Powersystem Battery Charging system Power management Environmental data Operating temperature range	Configure information to be shown in image; programmable button; local adaptation of units, language, date and time formats, camera software update Use PC software FLIR Tools Standard JPEG, including measurement data, on memory card IR/visual images, simultaneous storage of IR and visual images. Visual and IR image automatically grouped together MPEG-4 to memory card MPEG4 using USB USB-mini, USB-A, Digital Video Output • USB-A: Connect external USB device • USB Mini-B: Data transfer to and from PC / streaming Digital Video Output (DVI) HDMI compatible Li lon, 3 hours operating time In camera (AC adapter or 12 V from a vehicle) or 2-bay charger Automatic shutdown and sleep mode (user selectable) -15°C to +50°C (+5°F to +122°F)
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Color palettes Set-up commands Camera software update Storage of images Image storage Image storage mode Video recording in camera and streaming to PC Non-radiometric IR and Digital camera video recording Non-radiometric IR and Digital streaming Data communication interfaces Interfaces USB Video out Video, connector type Powersystem Battery Charging system Power management Environmental data Operating temperature range Storage temperature range Humidity (operating and storage)	Configure information to be shown in image; programmable button; local adaptation of units, language, date and time formats, camera software update Use PC software FLIR Tools Standard JPEG, including measurement data, on memory card IR/visual images, simultaneous storage of IR and visual images. Visual and IR image automatically grouped together MPEG-4 to memory card MPEG4 using USB USB-mini, USB-A, Digital Video Output • USB-A: Connect external USB device • USB Mini-B: Data transfer to and from PC / streaming Digital Video Output (DVI) HDMI compatible Li lon, 3 hours operating time In camera (AC adapter or 12V from a vehicle) or 2-bay charger Automatic shutdown and sleep mode (user selectable) -15°C to +50°C (+5°F to +122°F) -40°C to +70°C (-40°F to +158°F) IEC 60068-2-30/24 h 95% relative humidity +25°C to +40°C / 2 cycles
Color palettes Set-up commands Camera software update Storage of images Image storage Image storage mode Video recording in camera and streaming to PC Non-radiometric IR and Digital camera video recording Non-radiometric IR and Digital streaming Data communication interfaces Interfaces USB Video out Video, connector type Power system Battery Charging system Power management Environmental data Operating temperature range Storage temperature range Humidity (operating and storage) Encapsulation	Configure information to be shown in image; programmable button; local adaptation of units, language, date and time formats, camera software update Use PC software FLIR Tools Standard JPEG, including measurement data, on memory card IR/visual images, simultaneous storage of IR and visual images. Visual and IR image automatically grouped together MPEG-4 to memory card MPEG4 using USB USB-mini, USB-A, Digital Video Output • USB-A: Connect external USB device • USB Mini-B: Data transfer to and from PC/streaming Digital/Video Output(OVI) HDMI compatible Li lon, 3 hours operating time In camera (AC adapter or 12 V from a vehicle) or 2-bay charger Automatic shutdown and sleep mode (user selectable) -15°C to +50°C (+5°F to +122°F) -40°C to +70°C (-40°F to +158°F) IEC 60068-2-30/24 h 95% relative humidity +25°C to +40°C /2 cycles IP 54 (IEC 60529)
Color palettes Set-up commands Camera software update Storage ofimages Image storage Image storage mode Video recording in camera and streaming to PC Non-radiometric IR and Digital streaming Data communication interfaces Interfaces USB Video, connector type Power system Battery Charging system Power management Environmental data Operating temperature range Storage temperature range Humidity (operating and storage) Encapsulation Bump	Configure information to be shown in image; programmable button; local adaptation of units, language, date and time formats, camera software update Use PC software FLIR Tools Standard JPEG, including measurement data, on memory card IR/visual images, simultaneous storage of IR and visual images. Visual and IR image automatically grouped together MPEG-4 to memory card MPEG4 using USB USB-mini, USB-A, Digital Video Output • USB-A: Connect external USB device • USB Mini-B: Data transfer to and from PC/streaming Digital/Video Output(DVI) HDMI compatible Li lon, 3 hours operating time In camera (AC adapter or 12 V from a vehicle) or 2-bay charger Automatic shutdown and sleep mode (user selectable) -15°C to +50°C (+5°F to +122°F) -40°C to +70°C (-40°F to +158°F) IEC 60068-2-30/24 h 95% relative humidity +25°C to +40°C /2 cycles IP 54 (IEC 60529) 25 g (IEC 60068-2-29)
Color palettes Set-up commands Camera software update Storage of images Image storage Image storage mode Video recording in camera and streaming to PC Non-radiometric IR and Digital camera video recording Non-radiometric IR and Digital streaming Data communication interfaces Interfaces USB Video out Video, connector type Power system Battery Charging system Power management Environmental data Operating temperature range Storage temperature range Hundity (operating and storage) Encapsulation Bump Vibration	Configure information to be shown in image; programmable button; local adaptation of units, language, date and time formats, camera software update Use PC software FLIR Tools Standard JPEG, including measurement data, on memory card IR/visual images, simultaneous storage of IR and visual images. Visual and IR image automatically grouped together MPEG-4 to memory card MPEG4 using USB USB-mini, USB-A, Digital Video Output • USB-A: Connect external USB device • USB Mini-B: Data transfer to and from PC/streaming Digital/Video Output(OVI) HDMI compatible Li lon, 3 hours operating time In camera (AC adapter or 12 V from a vehicle) or 2-bay charger Automatic shutdown and sleep mode (user selectable) -15°C to +50°C (+5°F to +122°F) -40°C to +70°C (-40°F to +158°F) IEC 60068-2-30/24 h 95% relative humidity +25°C to +40°C /2 cycles IP 54 (IEC 60529)
Color palettes Set-up commands Camera software update Storage of images Image storage Image storage mode Video recording in camera and streaming to PC Non-radiometric IR and Digital camera video recording Non-radiometric IR and Digital streaming Data communication interfaces Interfaces USB Video out Video, connector type Power system Battery Charging system Power management Environmental data Operating temperature range Storage temperature range Humidity (operating and storage) Encapsulation Bump Vibration Physical data	Configure information to be shown in image; programmable button; local adaptation of units, language, date and time formats, camera software update Use PC software FLIR Tools Standard JPEG, including measurement data, on memory card IR/visual images, simultaneous storage of IR and visual images. Visual and IR image automatically grouped together MPEG-4 to memory card MPEG4 using USB USB-mini, USB-A, Digital Video Output • USB-A: Connect external USB device • USB Mini-B: Data transfer to and from PC / streaming Digital Video Output (DVI) HDMI compatible Li lon, 3 hours operating time In camera (AC adapter or 12 V from a vehicle) or 2-bay charger Automatic shutdown and sleep mode (user selectable) -15°C to +50°C (+5°F to +122°F) -40°C to +70°C (-40°F to +158°F) IEC 60068-2·30/24 h 95% relative humidity +25°C to +40°C / 2 cycles IP 54 (IEC 60058-2·29) 25 g (IEC 60068-2·20) 2 g (IEC 60068-2·20)
Color palettes Set-up commands Camera software update Storage of images Image storage Image storage mode Video recording in camera and streaming to PC Non-radiometric IR and Digital camera video recording Non-radiometric IR and Digital streaming Data communication interfaces Interfaces USB Video out Video, connector type Powersystem Battery Charging system Power management Environmental data Operating temperature range Storage temperature range Humidity (operating and storage) Encapsulation Bump Vibration Physical data Weight	Configure information to be shown in image; programmable button; local adaptation of units, language, date and time formats, camera software update Use PC software FLIR Tools Standard JPEG, including measurement data, on memory card IR/visual images, simultaneous storage of IR and visual images. Visual and IR image automatically grouped together MPEG-4 to memory card MPEG4 using USB USB-mini, USB-A, Digital Video Output • USB-A: Connect external USB device • USB Mini-B: Data transfer to and from PC / streaming Digital Video Output (DVI) HDMI compatible Li lon, 3 hours operating time In camera (AC adapter or 12 V from a vehicle) or 2-bay charger Automatic shutdown and sleep mode (user selectable) -15°C to +50°C (+5°F to +122°F) -40°C to +70°C (-40°F to +158°F) IEC 60068-2-30/24 h 95% relative humidity +25°C to +40°C /2 cycles IP 54 (IEC 60068-2-29) 25 g (IEC 60068-2-6) 1.3 kg (2.87 lb.)
Color palettes Set-up commands Camera software update Storage of images Image storage Image storage mode Video recording in camera and streaming to PC Non-radiometric IR and Digital camera video recording Non-radiometric IR and Digital streaming Data communication interfaces Interfaces USB Video out Video, connector type Powersystem Battery Charging system Power management Environmental data Operating temperature range Humidity (operating and storage) Encapsulation Bump Vibration Physical data Weight Size (L×W×H)	Configure information to be shown in image; programmable button; local adaptation of units, language, date and time formats, camera software update Use PC software FLIR Tools Standard JPEG, including measurement data, on memory card IR/visual images, simultaneous storage of IR and visual images. Visual and IR image automatically grouped together MPEG-4 to memory card MPEG-4 to memory card MPEG4 using USB USB-mini, USB-A, Digital Video Output • USB-A: Connect external USB device • USB Mini-B: Data transfer to and from PC / streaming Digital Video Output (DVI) HDMI compatible Li lon, 3 hours operating time In camera (AC adapter or 12V from a vehicle) or 2-bay charger Automatic shutdown and sleep mode (user selectable) -15°C to +50°C (+5°F to +122°F) -40°C to +70°C (-40°F to +158°F) IEC 60068-2-30/24 h 95% relative humidity +25°C to +40°C / 2 cycles IP 54 (IEC 60068-2-9) 25 g (IEC 60068-2-9) 25 g (IEC 60068-2-9) 25 g (IEC 60068-2-6) 1.3 kg (2.87 lb.) 143 × 195 × 95 mm (5.6 × 7.7 × 3.7 in.)
Color palettes Set-up commands Camera software update Storage of images Image storage Image storage mode Video recording in camera and streaming to PC Non-radiometric IR and Digital camera video recording Non-radiometric IR and Digital streaming Data communication interfaces Interfaces USB Video out Video, connector type Powersystem Battery Charging system Power management Environmental data Operating temperature range Storage temperature range Humidity (operating and storage) Encapsulation Bump Vibration Physical data Weight Size (L × W × H) Tripod mounting	Configure information to be shown in image; programmable button; local adaptation of units, language, date and time formats, camera software update Use PC software FLIR Tools Standard JPEG, including measurement data, on memory card IR/visual images, simultaneous storage of IR and visual images. Visual and IR image automatically grouped together MPEG-4 to memory card MPEG4 using USB USB-mini, USB-A, Digital Video Output • USB-A: Connect external USB device • USB Mini-B: Data transfer to and from PC / streaming Digital Video Output (DVI) HDMI compatible Li lon, 3 hours operating time In camera (AC adapter or 12V from a vehicle) or 2-bay charger Automatic shutdown and sleep mode (user selectable) -15°C to +50°C (+5°F to +122°F) -40°C to +70°C (-40°F to +158°F) IE C60068-2-30/24 h 95% relative humidity +25°C to +40°C / 2 cycles IP 54 (IEC 60058-2-39) 25 g (IEC 60068-2-6) 1.3 kg (2.87 lb.)
Color palettes Set-up commands Camera software update Storage of images Image storage Image storage mode Video recording in camera and streaming to PC Non-radiometric IR and Digital camera video recording Non-radiometric IR and Digital streaming Data communication interfaces Interfaces USB Video out Video, connector type Powersystem Battery Charging system Power management Environmental data Operating temperature range Humidity (operating and storage) Encapsulation Bump Vibration Physical data Weight Size (L×W×H)	Configure information to be shown in image; programmable button; local adaptation of units, language, date and time formats, camera software update Use PC software FLIR Tools Standard JPEG, including measurement data, on memory card IR/visual images, simultaneous storage of IR and visual images. Visual and IR image automatically grouped together MPEG-4 to memory card MPEG4 using USB USB-mini, USB-A, Digital Video Output • USB-A: Connect external USB device • USB Mini-B: Data transfer to and from PC / streaming Digital Video Output (DVI) HDMI compatible Li lon, 3 hours operating time In camera (AC adapter or 12V from a vehicle) or 2-bay charger Automatic shutdown and sleep mode (user selectable) -15°C to +50°C (+5°F to +122°F) -40°C to +70°C (-40°F to +158°F) IEC 60068-2-30/24 h 95% relative humidity +25°C to +40°C /2 cycles IP 54 (IEC 60068-2-6) 25 g (IEC 60068-2-6) 1.3kg (2.87 lb.) 143 × 195 × 95 mm (5.6 × 7.7 × 3.7 in.) UNC ¼"-20
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www.flir.com

FLIR offices in Asia Pacific

Asia Pacific Headquarters Hong Kong +852 2792 8955 flir@flir.com.hk | China +86 21 5169 7628 info@flir.cn Australia +61 3 9550 2800 info@flir.com.au | Japan +81 3 6277 5681 info@flir.jp | Korea +82 2565 2714 sales@flirkorea.com India +91 11 4606 7100 flirindia @flir.com.hk | Taiwan +886 2 2757 9662 flir@flir.com.hk

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Dew Point Alarm

Displays building areas where surface condensation is present which shows a potential for mold growth

Insulation Alarm

Identifies insufficient insulation in building areas where insulation requirements are not met.



Picture-in-Picture Fusion

Allows for easier identification and interpretation of infrared images. This advanced technology enhances the value of an infrared image by allowing you to overlay it directly over the corresponding visible image. This functionality combines the benefits of both the infrared image and visual picture at the push of a button.



Training

The center offers a wide variety of infrared courses from entry-level thermography to advanced IR training. ITC infrared thermography certifications are globally recognized and are designed to exceed the requirements of international certification standards.

Check the ITC course schedule in the Asia Pacific region: www.flir.com/thg/itc



Optional Software FREE FLIR

QuickReport™ Allows the user to organize, analyze and present infrared image data in a report. Delivered with your FLIR camera.

FLIR Reporter™

A powerful yet easyto-use tool to generate comprehensive and professional infrared inspection reports.

Extra battery Battery charger Car charger Selection of lenses





FLIR BuildIR™

Software designed to carry out advanced

analysis of building structures. It is used to analyze images taken with an infrared camera and create inspection reports based on these

images. Accessories

Pouch