

P/N: 85205-0102

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Document identity

Publ. No.: 85205-0102 Commit: 72248 Language: Modified: 2020-12-01 Formatted: 2020-12-01

Website

http://www.flir.com

Customer support

http://support.flir.com

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General

The FLIR GF77 is a groundbreaking uncooled optical gas imaging camera with interchangeable lens options that allow you to detect methane, sulfur hexafluoride (SF6), ethylene, and other gas emissions. Capable of gas visualization and radiometric temperature measurement, the FLIR GF77 is an ideal inspection tool for electric power utilities, oil and natural gas operations, chemical/manufacturing facilities, the food, and agriculture industry, and first responders. The FLIR GF77 is compatible with two lens types: the FLIR GF77-LR lens is spectrally filtered for methane and other industry gases, while the FLIR GF77-HR lens is filtered for SF6, ammonia, and more.

Based on the award-winning design of the FLIR T-series platform, the FLIR GF77 offers a vibrant, 4inch touchscreen LCD, 180 degree rotating optical block, and eyepiece for convenience in direct sunlight. This affordable solution offers the benefit of built in thermographic calibrations and the flexibility to visualize multiple gases by simply changing lenses.

Imaging and optical data	
Infrared resolution	320×240 pixels
UltraMax (super-resolution)	Yes
Thermal sensitivity (NETD)	 < 25 mK, 25° at +30°C (+86°F) < 40 mK, 6° at +30°C (+86°F)
Gas sensitivity (NECL)	 SF6: < 1 ppm x m C₂H₄: < 20 ppm x m NH₃: < 20 ppm x m (ΔT = 10°C, Distance = 1 m)
Field of view (FOV)	 25° x 19° 6.4° x 4.9°
Minimum focus distance	 0.3 m (0.98 ft), 25° 5 m (16.4 ft), 6°
Minimum focus distance with MSX	0.65 m (2.1 ft), 25°
Focal length	 18 mm (0.71 in), 25° 74 mm (2.9 in), 6°
Spatial resolution (IFOV)	 1.4 mrad/pixel, 25° 0.36 mrad/pixel, 6°



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Imaging and optical data	
Available extra lenses	 25° LR (service calibration required) 6° LR (service calibration required)
Lens identification	Automatic
f-number	1.04, 25°
	1.35, 6°
Image frequency	30 Hz
Focus	 Continuous LDM One-shot LDM One-shot contrast Manual
Field of view match	Yes
Digital zoom	1–6× continuous
Lens spectral range	9.5–12 μm
Detector data	
Focal plane array/spectral range	Uncooled microbolometer/7-14 µm
Detector pitch	25 μm
Image presentation	
Resolution (display)	640 × 480 pixels (VGA)
Surface brightness (cd/m ²)	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	2
Viewfinder	Yes
Image adjustment	 Automatic Automatic maximum Automatic minimum HSM Manual
Image presentation modes	
Infrared image	Yes
Visual image	Yes
MSX	Yes
Picture in picture	Resizable and movable
Gallery	Yes



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Measurement	
Camera temperature range	 -20 to 80°C (-4 to 176°F) 0 to 250°C (32 to 482°F) 100 to 500°C (212 to 932°F)
Accuracy — for ambient temperature +15 to +35° C (+59 to +95°F)	 Range -20 to 80°C (-4 to 176°F): ±3°C (±5.4° F) Range 0 to 250°C (32 to 482°F): 0 to 100°C (32 to 212°F): ±3°C (±5.4°F) 100 to 250°C (212 to 482°F): ±3% Range 100 to 500°C (212 to 932°F): ±3%
Inspection mode	
FLIR Inspection route	Enabled in the camera
Measurement analysis	
Spotmeter	3 in live mode
Area	3 in live mode
Automatic hot/cold detection	Automatic maximum/minimum markers within area
Measurement presets	 No measurements Center spot Hot spot Cold spot User preset 1 User preset 2
Difference temperature	Yes
Reference temperature	Yes
Emissivity correction	Yes, variable from 0.01 to 1.0 or selected from materials list
Measurement corrections	Yes
Alarm	
Color alarm (isotherm)	 Above Below Interval Condensation (moisture/humidity/dewpoint) Insulation
Measurement function alarm	Audible/visual alarms (above/below) on any selected measurement function
Set-up	
Color palettes	 Arctic White hot Black hot Iron Lava Rainbow Rainbow HC
Setup commands	Local adaptation of units, language, date, and time formats



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Service functions	
Camera software update	Using USB cable or SD card
Storage of images	
Storage media	Removable memory: SD card
Time lapse (Periodic image storage)	10 seconds to 24 hours (infrared)
Remote control operation	Using USB cable or Wi-Fi
Image file format	Standard JPEG, measurement data included. Infrared-only mode
Image annotations	
Voice	60 seconds with 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 only
Sketch	From touchscreen
METERLINK	Wireless connection (Bluetooth) to:
	FLIR meters with METERLiNK
Compass	Yes
Laser distance meter information	Yes
Area measurement information	Yes
GPS	Location data automatically added to every still image and 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



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Laser alignment Position is automatically displayed on the infrared image Laser distance meter Activated by dedicated button Laser Class 2. 0.05–40 m (0.16–131 ft) ±1% of measured distance Data communication interfaces 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 S USB Type-C: data transfer/video/power USB standard USB 2.0 High Speed Video out DisplayPort Video cont DisplayPort over USB Type-C Video cont type DisplayPort over USB Type-C Period peer discover discover discover discover discover model Note that frequency band 5150–5350 MHz is for indoor use only, see national regulations. RF output (EIRP) Bluetooth + EDR/LE: <10 dBm Antenna Integrated PIFA antenna (gain: maximum 1.4 dBi) Power system In camera (AC adapter or 12 V from a vehicle) or two-bay charger Battery operating time > 4 hours at 25°C (68°F) with typical use Charging temperature 0°C to +45°C +43°F to +113°F), except for the Korean mar	Laser pointer	
Laser Class 2, 0.05–40 m (0.16–131 ft) ±1% of measured distance Data communication interfaces 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 Fadio Communication + EDR/LE: 2402–2480 MHz WLAN 2.4 GHz: 2412–2462 MHz WLAN 5 GHz: 2412–2462 MHz WLAN S GHz: 2412–2462 MHz WLAN S GHz: 2412–2462 MHz WLAN S GHz: 2412–2462 MHz WLAN S GHz: 2412–2462 MHz WLAN S GHz: 2412–2462 MHz WLAN S GHz: 2410–2480 MHz WLAN S GHz: 2410–2480 MHz WLAN S GHz: 2410–2480 MHz WLAN S GHz: 2412–2462 MHz WLAN S GHz: 2410–2462 MHz WLAN S GHz: 2410–2462 MHz WLAN S GHz: 2410–2462 MHz Method Buteoth + EDR/LE: <10 dBm	Laser alignment	
measured distance Data communication interfaces Interfaces Interfaces Wi-Fi 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	Laser distance meter	Activated by dedicated button
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 over USB Type-C Radio 0 Operating frequency Bluetooth + EDR/LE: 2402-2480 MHz WLAN 2.4 GHz: 2412-2462 MHz WLAN 2.4 GHz: 2412-2462 MHz WLAN 2.4 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	Laser	
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 standard Video out DisplayPort Video out DisplayPort over USB Type-C Radio Isstandard Operating frequency Bluetooth + EDR/LE: 2402–2480 MHz WLAN 2.4 GHz: 2412–2462 MHz WLAN 2.4 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	Data communication interfaces	
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 Connector type Operating frequency Bluetooth + EDR/LE: 2402–2480 MHz WLAN 2.4 GHz: 2112–2462 MHz WLAN 2.4 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: 210 dBm WLAN: < 17 dBm	Interfaces	USB 2.0, Bluetooth, Wi-Fi, DisplayPort
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 Images Operating frequency Bluetooth + EDR/LE: 2402–2480 MHz WLAN 2.4 GHz: 2412–2462 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	METERLINK/Bluetooth	
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	Wi-Fi	Peer to peer (ad hoc) or infrastructure (network)
USB standard USB 2.0 High Speed Video out DisplayPort Video connector type DisplayPort over USB Type-C Radio Image: Connector type Operating frequency Bluetooth + EDR/LE: 2402–2480 MHz WLAN 2.4 GHz: 2412–2462 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	Audio	
Video out DisplayPort Video connector type DisplayPort over USB Type-C Radio Image: Connector type Operating frequency Bluetooth + EDR/LE: 2402–2480 MHz WLAN 2.4 GHz: 2412–2462 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	USB	USB Type-C: data transfer/video/power
Video connector type DisplayPort over USB Type-C Radio	USB standard	USB 2.0 High Speed
Radio Image: State S	Video out	DisplayPort
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	Video connector type	DisplayPort over USB Type-C
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	Radio	
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	Operating frequency	Bluetooth + EDR/LE: 2402–2480 MHz
mode)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		WLAN 2.4 GHz: 2412-2462 MHz
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 Rechargeable Li-ion battery Battery type Rechargeable Li-ion battery Battery voltage 3.6 V Battery operating time > 4 hours at 25°C (68°F) with typical use Charging system In camera (AC adapter or 12 V from a vehicle) or two-bay charger Charging time (using two-bay charger) 3.5 h to 90% capacity, on-screen indicator 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 +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	RF output (EIRP)	Bluetooth + EDR/LE: < 10 dBm
Power system Battery type Rechargeable Li-ion battery Battery voltage 3.6 V Battery operating time > 4 hours at 25°C (68°F) with typical use Charging system In camera (AC adapter or 12 V from a vehicle) or two-bay charger Charging time (using two-bay charger) 3.5 h to 90% capacity, on-screen indicator 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 +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		
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Battery voltage 3.6 V Battery operating time > 4 hours at 25°C (68°F) with typical use Charging system In camera (AC adapter or 12 V from a vehicle) or two-bay charger Charging time (using two-bay charger) 3.5 h to 90% capacity, on-screen indicator 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 +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 -15 to +50°C (5 to +122°F)	Power system	
Battery operating time > 4 hours at 25°C (68°F) with typical use Charging system In camera (AC adapter or 12 V from a vehicle) or two-bay charger Charging time (using two-bay charger) 3.5 h to 90% capacity, on-screen indicator 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 +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	Battery type	Rechargeable Li-ion battery
Charging system In camera (AC adapter or 12 V from a vehicle) or two-bay charger Charging time (using two-bay charger) 3.5 h to 90% capacity, on-screen indicator 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 +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 -15 to +50°C (5 to +122°F)	Battery voltage	3.6 V
two-bay charger Charging time (using two-bay charger) 3.5 h to 90% capacity, on-screen indicator 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 +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 to +122°F)	Battery operating time	> 4 hours at 25°C (68°F) with typical use
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 +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	Charging system	
Korean market: +10°C to +45°C (+50°F to +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 to +122°F)	Charging time (using two-bay charger)	3.5 h to 90% capacity, on-screen indicator
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 to +122°F)	Charging temperature	Korean market: +10°C to +45°C (+50°F to +113°
Environmental data Operating temperature range -15 to +50°C (5 to +122°F)	External power operation	,
Operating temperature range -15 to +50°C (5 to +122°F)	Power management	Automatic shut-down and sleep mode
	Environmental data	
Storage temperature range -40 to +70°C (-40 to 158°F)	Operating temperature range	-15 to +50°C (5 to +122°F)
	Storage temperature range	-40 to +70°C (-40 to 158°F)



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Environmental data	
Humidity (operating and storage)	IEC 60068-2-30/24 hours, 95% relative humidity, 25–40°C (77–104°F)/2 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 B, class B (emission)
Radio spectrum	 ETSI EN 300 328 ETSI EN 301 893 FCC 47 CFR part 15 C FCC 47 CFR part 15 E
Encapsulation	IP 54 (IEC 60529)
Shock	25g (IEC 60068-2-27)
Vibration	2g (IEC 60068-2-6)
Safety	Camera:
	• IEC/EN 60950-1, IEC/EN 62368-1
	Power supply:
	IEC/EN 62368-1CSA/UL/KC/SAA/PSE 60950-1
Physical data	
Weight (including battery)	1.4 kg (3.1 lb)
Size $(L \times W \times H)$	Camera with 25° lens:
	 Lens vertical: 150.5 × 201.3 × 84.1 mm (5.9 × 7.9 × 3.3 in) Lens horisontal: 150.5 × 201.3 × 167.3 mm (5.9 × 7.9 × 6.6 in)
	Camera with 6° lens:
	 Lens vertical: 204.6 × 201.3 × 84.1 mm (8.1 × 7.9 × 3.3 in) Lens horisontal: 150.5 × 201.3 × 167.3 mm (5.9 × 7.9 × 6.6 in)
Battery weight	195 g (6.89 oz)
Battery size (L \times W \times H)	59 × 66 × 94 mm (2.3 × 2.6 × 3.7 in)
	39 × 00 × 94 mm (2.3 × 2.0 × 3.7 m)
Tripod mounting	UNC ¼"-20
	· · ·
Tripod mounting	UNC ¼″-20
Tripod mounting Housing material	UNC ¼"-20 PCABS with TPE, magnesium
Tripod mounting Housing material Color	UNC 1/4"-20 PCABS with TPE, magnesium



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Shipping information	
Packaging, type	Cardboard box
Packaging, contents	 Accessory box I: Power supply for battery charger Power supply, 15 W/3 A Printed documentation SD card (8 GB) USB 2.0 A to USB Type-C cable USB Type-C to HDMI and PD adapter USB Type-C to USB Type-C cable (USB 2.0 standard) Accessory box II: Accessory box
	 Lens cap strap Lens cleaning cloth Neck strap Small eyecup
	 Battery (2 ea) Battery charger Hard transport case Infrared camera Lens cap, front Lens cap, front and rear (only for extra lenses) Lens, HR 25° Lens, HR 6°
Packaging, weight	6.2 kg (13.7 lb)
Packaging, size	$500 \times 190 \times 370 \text{ mm} (19.7 \times 7.5 \times 14.6 \text{ in})$
EAN-13	7332558027165
UPC-12	845188023232
Country of origin	Sweden

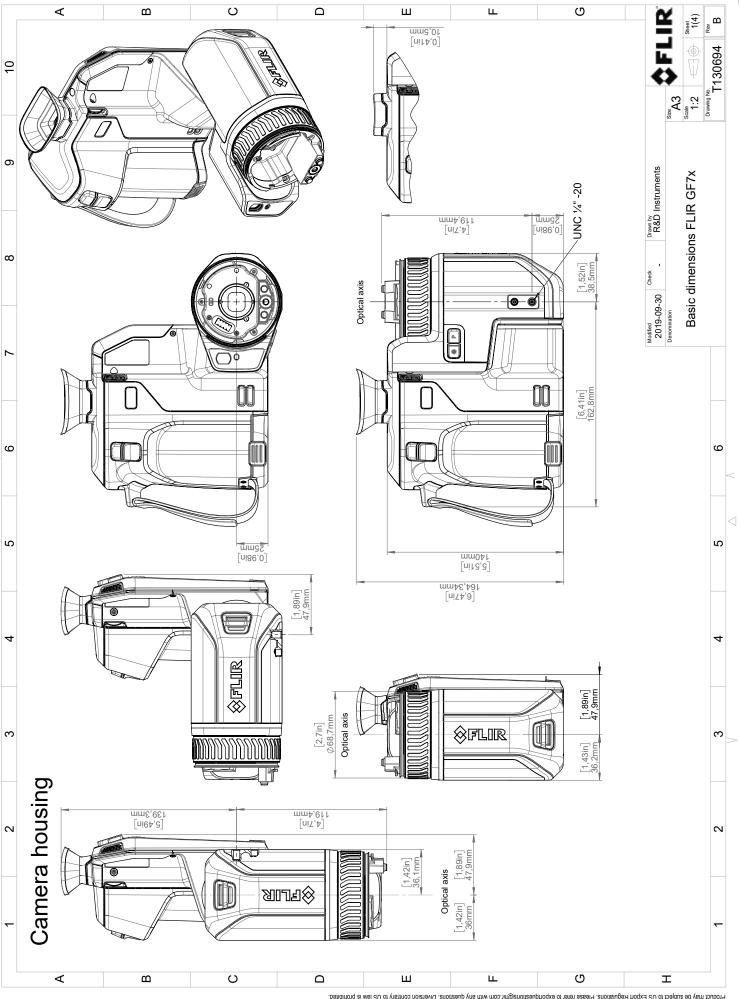
Supplies & accessories:

- T300112; IR lens HR 6° (9.5–12 μm) with case
- T300114; IR lens HR 25° (9.5–12 μm) with case
- T300115; IR lens LR 25° (7–8.5 μm) with case
- T300129; IR lens LR 6° (7–8.5 μ m) with case
- T199300ACC; Battery
- T199347ACC; Hard transport case for FLIR T8xx, T5xx, and GF7x series
- T199610; Battery charger
- T130531ACC; Large eyecup
- T300178; Hand strap and neck strap
- T911630ACC; Power supply for camera, 15 W/3 A
- T911631ACC; USB 2.0 A to USB Type-C cable, 0.9 m
- T911633ACC; Power supply for battery charger
- T911705ACC; USB Type-C to USB Type-C cable (USB 2.0 standard), 1.0 m
- T911706ACC; Car adapter 12 V
- T911845ACC; USB Type-C to HDMI and PD adapter
- T911846ACC; USB 2.0 A to USB Type-C with Power supply
- T198495; Pouch
- T197771ACC; Bluetooth Headset
- T300243; FLIR Thermal Studio Pro, 1 Year Subscription
- T300083; FLIR Thermal Studio Pro, Perpetual license
- T300341; FLIR Thermal Studio Standard, 1 Year Subscription
- T300258; FLIR Thermal Studio Standard, Perpetual license

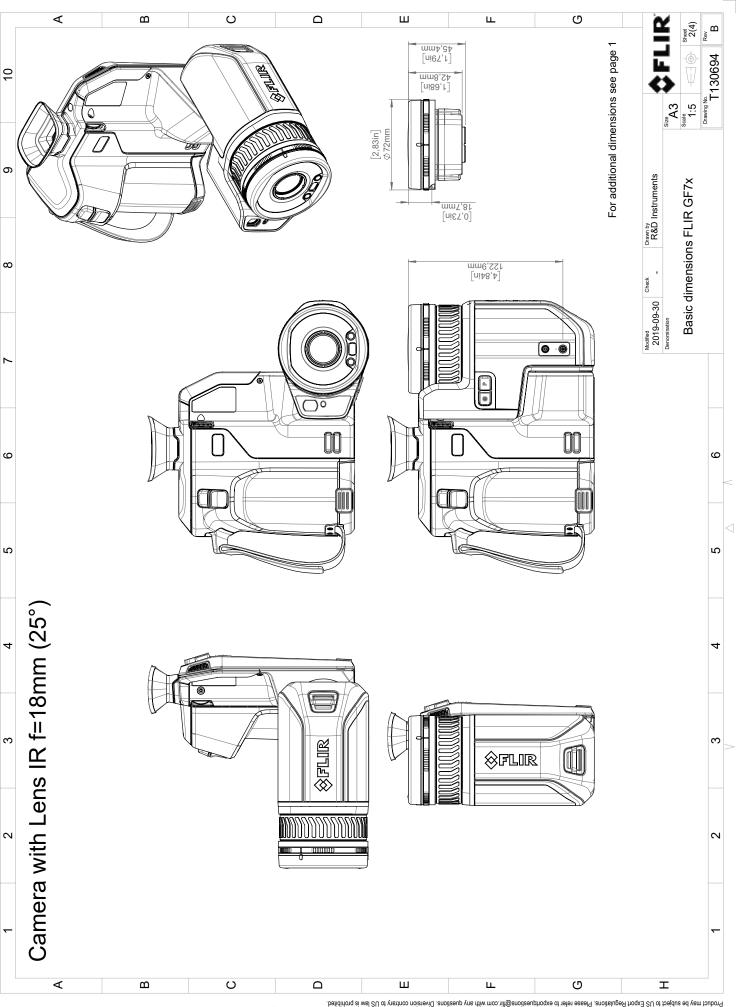


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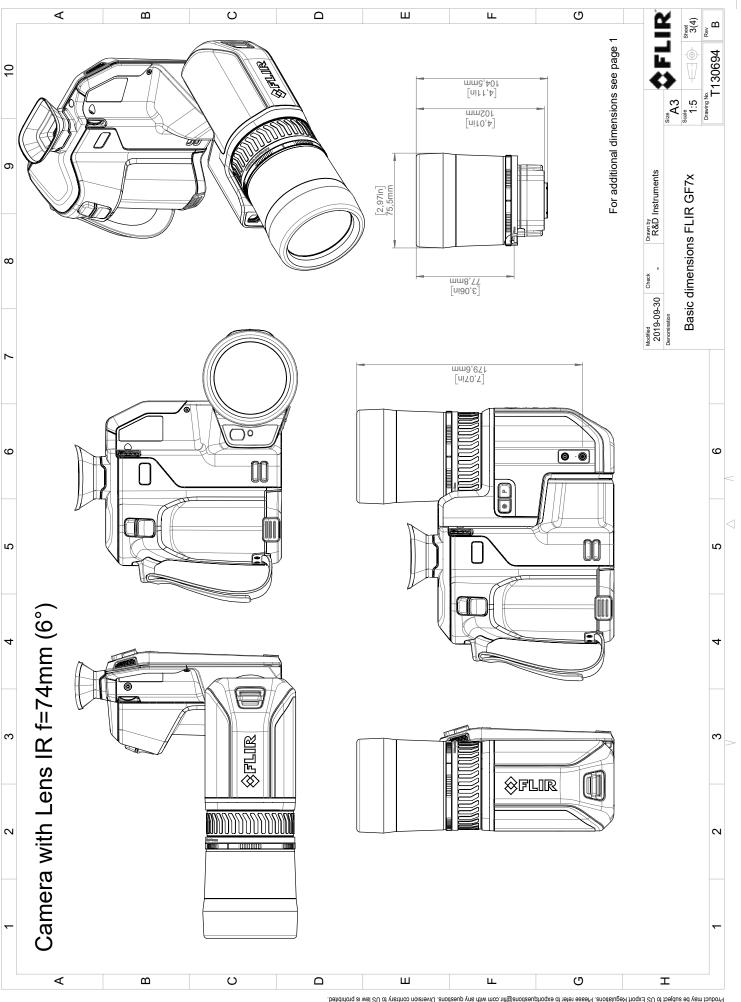
- T198583; FLIR Tools+ (download card incl. license key)
- T198696; FLIR ResearchIR Max 4 (hardware sec. dev.)
- T199013; FLIR ResearchIR Max 4 (printed license key)
- T199043; FLIR ResearchIR Max 4 Upgrade (printed license key)
- INST-EW-0170; Extended Warranty 1 Year for T10xx, GF7x
- INST-EWGM-0180; Premium Service Package for A310pt, T10xx, GF7x
- INST-GM-0160; General Maintenance Package for T10xx, GF7x, P6xx, X90, SC1000



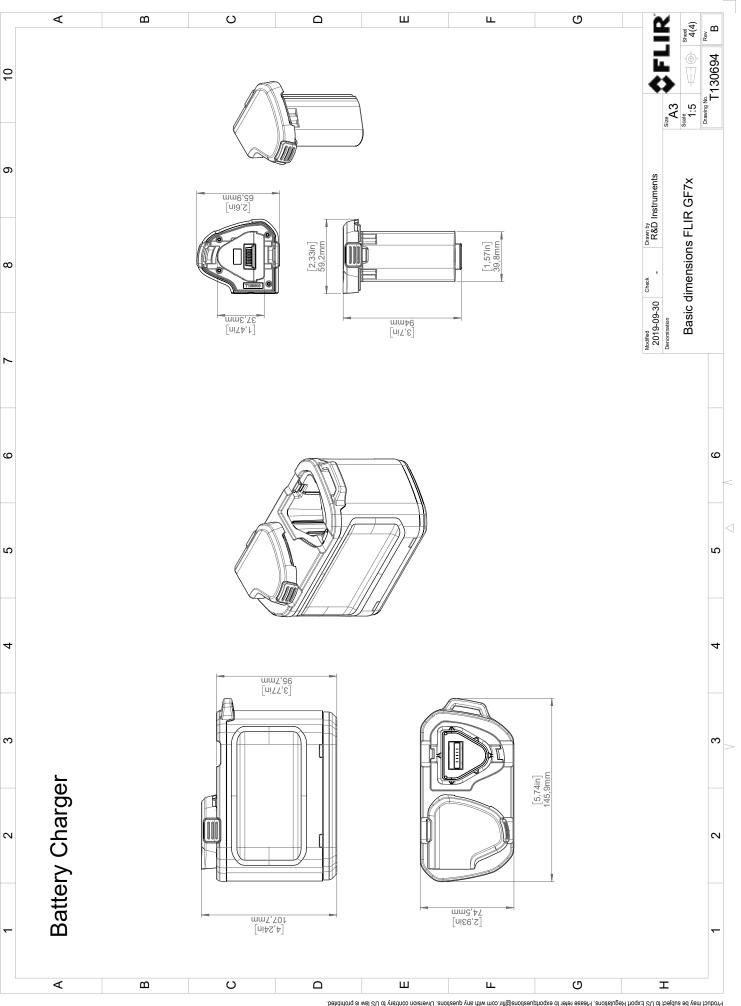
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The World's Sixth Sense"

February 2, 2019 Taby, Sweden

AQ320246

CE Declaration of Conformity - EU Declaration of Conformity

Product: FLIR T5XX-, T8XX- and GF7X-series Name and address of the manufacturer: FLIR Systems AB PO Box 7376 SE-187 15 Taby, Sweden

This declaration of conformity is issued under the sole responsibility of the manufacturer. The object of the declaration: FLIR T5XX-, T8XX- and GF7X-series (Product Model Name FLIR-T8210). The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:

Directives:

Directive	2012/19/EU	Waste electrical and electric equipment
Directive	2014/53/EU	Radio Equipment Directive (RED)
Directive	1999/519/EC	Limitation of exposure to electromagnetic fields (SAR)
Directive	2011/65/EU	RoHS and 2015/830/EU

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Standards:		
EMC Radio:	ETSI EN 301 489-1 + -17	EMC for radio, broadband data transmission
Emission:	EN 61000-6-3/A1:2011	EMC – Generic standards
Immunity:	EN 61000-6-2:2005	Electromagnetic Compability Generic
	EN 301489-1:2016 v2.1.0	ERM - EMC for radio equipment
	EN 301489-17:2012 v2.2.1	ERM EMC Wideband data
Laser:	EN 60825-1	Safety of laser products
Radio:	ETSI EN 300 328 v2.1.1	Harmonized EN covering essential
		requirements of the R&TTE Directive
	ETSI EN 301 893 v.2.1.1	5GHz WLAN
	EN 303 413 v1.1.0	Radio Spectrum Efficiency (gps)
SAR:	EN 50566:2013/AC:2014	Handheld and body mounted wireless
	EN 62209-02:2010	Handheld and body mounted wireless
Safety:	IEC 60950-1:2005+A1:2009+	Information technology equipment
	A2:2013 EN 60950-1:2006+	
	A11:2009+AC:2011+A12:2011	
RoHS:	EN 50581:2012	Technical documentation

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