

FLIR T365 (9 Hz, 2009:2 model)



Imaging and optical data	
Field of view (FOV) / Minimum focus distance	25° x 19° / 0.4 m (1.31 ft.)
Spatial resolution (IFOV)	1.36 mrad
Thermal sensitivity/NETD	< 0.05°C @ +30°C (+86°F) / 50 mK
Image frequency	9 Hz
Focus	Automatic or manual
Zoom	1–4x continuous, digital zoom, including panning
Focal Plane Array (FPA) / Spectral range	Uncooled microbolometer / 7.5–13 µm
IR resolution	320 x 240 pixels
Image presentation	
Display	Built-in touch screen, 3.5 in. LCD, 320 x 240 pixels
Image modes	IR image, visual image, thermal fusion, picture in picture, thumbnail gallery
Thermal fusion	IR image shown within temp interval on visual image
Picture in Picture	Resizable and movable IR area on visual image
Measurement	
Object temperature range	–20°C to +120°C (–4°F to +248°F) 0°C to +350°C (+32°F to +662°F) +200°C to +650°C (+392°F to +1202°F)
Accuracy	±2°C (±3.6°F) or ±2% of reading
Measurement analysis	
Spotmeter	5
Area	5 boxes with max./min./average
Automatic hot/cold detection	Auto hot or cold spotmeter markers within area
Isotherm	Detect high/low temperature/interval
Difference temperature	Delta temperature between measurement functions or reference temperature
Emissivity correction	Variable from 0.01 to 1.0 or selected from materials list
External optics/windows correction	Automatic, based on inputs of optics/window transmission and temperature
Measurement corrections	Reflected temperature, optics transmission and atmospheric transmission
Measurement function alarm	Audible/visual alarm (above/below) on spotmeter, box or difference temperature
Screening	Difference temperature alarm, audible
Set-up	
Color palettes	BW, BW inv, Iron, Rain
Set-up commands	Local adaptation of units, language, date and time formats
Storage of images	
Image storage	Standard JPEG, including measurement data, on memory card
Image storage mode	IR/visual images; simultaneous storage of IR and visual images
Image annotations	
Voice	60 seconds

Text	Text from predefined list or soft keyboard on touch screen
Image marker	4 on IR or visual image
Sketch	From touch screen
Video recording and streaming	
Radiometric IR-video streaming	Full dynamic to PC using USB
Non-radiometric IR-video streaming	MPEG-4 to PC using USB
Digital camera	
Built-in digital camera	3.1 Mpixel (2048 x 1536 pixels), and video lamp
Built-in digital lens data	FOV 53° x 41°
Laser pointer	
Laser	Activated by dedicated button
Laser alignment	Position is automatic displayed on the IR image
Data communication interfaces	
Interfaces	USB-mini, USB-A, composite video, headset connection
USB	<ul style="list-style-type: none"> USB-A: Connect external USB device (e.g. memory stick) USB Mini-B: Data transfer to and from PC / streaming MPEG-4
Power system	
Battery	Li Ion, 4 hours operating time
Charging system	In camera (AC adapter or 12 V from a vehicle) or 2-bay charger
Power management	Automatic shutdown and sleep mode (user selectable)
Environmental data	
Operating temperature range	–15°C to +50°C (+5°F to +122°F)
Storage temperature range	–40°C to +70°C (–40°F to +158°F)
Humidity (operating and storage)	IEC 60068-2-30/24 h 95% relative humidity +25°C to +40°C (+77°F to +104°F)
Encapsulation	Camera housing and lens: IP 54 (IEC 60529)
Bump	25 g (IEC 60068-2-29)
Vibration	2 g (IEC 60068-2-6)
Physical data	
Camera weight, incl. battery	0.88 kg (1.94 lb.)
Camera size (L x W x H)	106 x 201 x 125 mm (4.2 x 7.9 x 4.9 in.), with built-in lens pointing forward
Tripod mounting	UNC ¼"-20
Scope of delivery	
	<ul style="list-style-type: none"> Hard transport case Infrared camera with lens Battery Battery charger Calibration certificate FLIR QuickReport™ PC software CD-ROM Headset Mains cable Memory card with adapter Power supply Printed Getting Started Guide Sunshield USB cable User documentation CD-ROM Video cable Warranty extension card or Registration card

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