

## El color del calor

Edificio Antalia Albasanz, 16 28037 MADRID Tel. 91 567 97 00 Fax: 91 570 26 61 w. alavaingenieros.com Torre Mapfre-Vila Olímpica Marina, 16 - Planta 11-C2 08005 BARCELONA Tel. 93 459 42 50 Fax: 93 459 42 62 alaya@alaya-ing.es



# FLIR T600 bx

The best ergonomics and an economical new thermal resolution for intensive inspections

Inspect high and low comfortably all day and capture stunning shots effortlessly with the latest addition to thermal imaging's most flexible line of handheld cameras.

A new high IR resolution – Crisp thermal images with 172,800 pixels (480 × 360) for the better detection, picture quality, and temperature measurements from long range.

**Exclusive rotating optical block –** Work smarter. Scan targets overhead, and from other tough angles effortlessly with the lens system that lets you point 120° up or down while keeping the display in easy view.

**MSX**<sup>®</sup> enhancement – *Multi-Spectral Dynamic Imaging* adds visible spectrum definition to IR images in real time for excellent thermal detail to help you instantly recognize the problem locations.

**Remote control and streaming video via Wi-Fi** – *Control camera functions, stream video for live monitoring, and import images and data from the camera using the FLIR Tools Mobile app on your smartphone or tablets so you can share critical information quickly from the field.* 

**Auto-Focus precision –** FLIR T-Series cameras offer both manual control and the fastest auto-focus in the industry to snap in ultimate clarity and accuracy.

**Auto orientation –** *Automatically orients onscreen temperature measurement data whether in portrait or landscape mode.* 

Accuracy - Calibrated within +/- 2°C or +/- 2% of reading.

**Multiple measurements –** Report all the details with 10 measurement spots, 5 box areas, Delta T temperature differential, isotherm, and auto hot/cold markers.

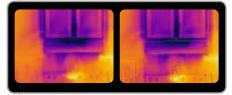
**METERLINK®** – Wirelessly transmit vital diagnostic data from clamp and moisture meters directly to the camera for annotating thermal images to further support findings.

See specification chart on back for accessories.





Wi-Fi connectivity with FLIR Tools Mobile app



Original IR Image (left); MSX® enhancement (right)

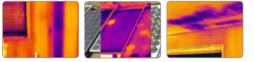


Built-in 5MP digital camera, LED lamps, laser pointer, diopter, rotating lens, image capture button and auto/manual focus.

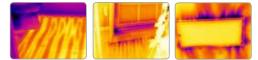


Auto orientation keeps on-screen data upright

### Applications



Missing insulation - Solar cell failure - Moisture intrusion



Radiant heat tubing - Cold draft - Air infiltration

#### Imaging specifications

FEATURES	FLIR T600 bx
Temperature range	-40°C to 350°C (-40°F to 662°F)
Thermal sensitivity (N.E.T.D)	<0.04°C at 30°C
Digital zoom	4X continuous
Focus	Manual or automatic (one shot)
LCD Image sketch	Draw on stored images using the touchscreen
Multi-Spectral Dynamic Imaging (MSX)	IR image with enhanced detail presentation
Frame rate	30Hz
Field of view/Minimum focus distance/FOV match	25° x 19° / 0.82ft (0.25m) / Field of View Match where Digital Image FOV adapts to the IR lens
Detector type - Focal plane array (FPA) uncooled microbolometer	480 x 360 pixels
Display	Built-in touch-screen 4.3" color LCD (800 × 480 pixels)
Image modes	Thermal/Visual/P-i-P (Resizable and movable)/MSX and Thumbnail Gallery
Automatic image adjustment	Continuous/manual; linear or histogram based; possible to lock max, min or span temperature
Manual image adjustment	Level/span/max/min
Image storage	1000 radiometric JPEG images (SD card memory)
Image annotation	Voice (60 sec); text comments, Sketch
Periodic image storage	7 seconds to 24 hours (IR) and 14 seconds to 24 hours (IR and visual)
Video lamp and laser pointer	Built-in dual LED lamps plus onboard laser pointer
Laser classification/type	Class 2/Semiconductor AlGalnP Diode Laser: 1mW/635nm (red)
Set-up controls	Mode selector, color palettes, configure info to be shown in image, local adaptation of units, language, date and time formats, and image gallery
Measurement modes	10 Spotmeters, 5 Box areas, Isotherm, Auto hot/cold spot, Delta T
Measurement presets	6 presets: center spot; hot spot (box max); cold spot (box min): no measurements; user preset 1; user preset 2
Measurement correction	Reflected ambient temperature & emissivity correction
Humidity alarm	Including dewpoint alarm
Insulation alarm	Alerts to temperature difference indicating voids
Video recording in camera and video streaming	Non-radiometric IR-video recording (MPEG-4 to memory card), Visual and Radiometric IR-video streaming (Full dynamic to PC using USB or Wi-Fi), and Non-radiometric IR-video streaming (MPEG-4 using Wi-Fi and uncompressed colorized video using USB)
Battery type/operating time	Li-lon/ 2.5 hours, Display shows battery status
Charging system	In camera AC adapter/2 bay charging system
Shock / vibration / encapsulation; safety	25G, IEC 60068-2-29 / 2G, IEC 60068-2-6 / IP54; EN/UL/CSA/PSE 60950-1
Dimensions/weight	5.6 x 7.7 x 3.7" (143x196x94mm)/2.87lbs (1.3kg), including battery
Accessories included	SD Memory Card, 100-260V AC adaptor∕charger, two Li-lon rechargeable batteries, 2-bay battery charger, power supply (with multi-plugs), FLIR Tools™ software, USB cable, video cable, Bluetooth® headset, lens cap, neckstrap, and hard case

#### **Ordering information**

FULL PRODUCT	DETECTOR
WARRANTY'	WARRANTY
$\sim$	$\sim$

ACCESSORIES T197914 ...... IR lens, f=41.3 mm (15°) with case **T198066** ...... Close-up IR lens, 1.5× (25 μm) with case T198625 ...... Hard transport case IR lens, f=24.6 mm (25°) with case T197922 T910814 ...... Power supply, incl. multi plugs T198495 ...... Pouch IR lens, f=13.1 mm (45°) with case T198497 ..... Large eyecap T197915 T198506 . Li-lon battery pack 3.7V 29Wh T911230ACC . Memory card SDHC 4 GB 1910423 ...... USB cable Std A <-> Mini-B T198498 ..... **T198059** ...... Close-up IR lens, 2.9x (50 μm) with case **T198060** ...... Close-up IR lens, 5.8x (100 μm) with Tripod adapter T198496 ...... Stylus pen T198509 T198499 case Cigarette lighter adapter kit, 12 VDC, .. Neck strap T198166 ... IR lens, f=88.9 mm (7°) with case and 1.2 m/3.9 ft. T197771ACC . Bluetooth headset T910930ACC . HDMI type C to DVI cable 1.5 m T198583 ...... FLIR Tools+ (license only) support T198065 ...... IR lens, f=6.5 mm (80°) with case T910891ACC . HDMI type C to HDMI type A cable 1.5 m T911093 ...... Tool belt



FLIR Commercial Systems Luxemburgstraat 2 2321 Meer Belgium Tel. : +32 (0) 3665 5100 Fax : +32 (0) 3303 5624 E-mail : flir@flir.com FLIR Systems AB Sweden Tel. : +46 (0)8 753 25 00

FLIR Systems UK Tel. : +44 (0)1732 220 011

Tel. : +44 (0)1732 220 01' FLIR Systems GmbH

Germany Tel. : +49 (0)69 95 00 900 FLIR Systems France Tel. : +33 (0)1 60 37 55 02

FLIR Systems Italy Tel. : +39 (0)2 99 45 10 01

FLIR Commercial Systems Spain Tel. : +34 91 573 48 27 FLIR Systems, Middle East FZE Dubai - United Arab Emirates Tel. : +971 4 299 6898

FLIR Systems Russia Tel. : + 7 495 669 70 72

> www.flir.com NASDAQ: FLIR

Equipment described herein may require US Government authorization for export purposes. Diversion contrary to US law is prohibited. Imagery used for illustration purposes only. Specifications are subject to change without notice. ©2014 FLIR Systems, Inc. All rights reserved. 3592 (Rev. 02/14)