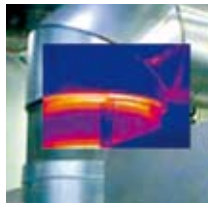# FLIR B425

Infrared Camera with Picture in Picture and Thermal Fusion

The B-Series' top of the line model B425 offers an outstanding solution for professional thermographers conducting building inspections and energy declaration surveys. The camera is jammed with useful features, including Delta T, Panorama support and digital camera video recording.

- *50 mK thermal sensitivity*
- *IR resolution 320 x 240 pixels*
- *Digital camera, 3.1 Mp with LED lights*
- *Temperature range -20 °C to +350 °C*
- *8x digital zoom*
- *Periodic Storage*
- *Panorama support*
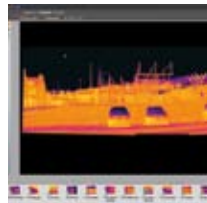- *Instant Reports*
- *MeterLink™*

Multifunction 3.5"
Touch Screen

Picture in Picture (PiP)

120° lens rotation

Panorama support

FLIR B425 Features

- **High Resolution IR Images** — 320 x 240 pixels infrared resolution, NETD 50 mK

- **Digital Camera** — 3.1 Megapixels with built-in LED lights provides sharp images regardless of lighting conditions

- **Wide Temperature Range** — Measures from -20 °C to +350 °C targeting building applications

- **Insulation alarm** — Shows the insulation performance of the building structure

- **Dew point alarm** — Alerts you to the areas where there is a risk of condensation

- **Zoom** — 8x continuous digital zoom for capturing small details

- **Picture in Picture (PiP)** — Displays resizable IR image super-imposed over a digital image

- **Thermal Fusion** — Merging visual and infrared images, allows for easier identification and interpretation of infrared images

- **Laser Pointer** — Pinpoints the hot spot on the IR image with the real physical target

- **Annotations** — Add text & sketch comments and image markers via touch screen. Record voice comments via Bluetooth wireless headset

- **± 2% Accuracy** — Reliable temperature measurement

- **Thumbnail Image Gallery** — Allows quick search of stored images

- **MeterLink™** — Wirelessly transmit data from clamp or moisture meter to your infrared camera

- **Delta Temperature** — Automatic calculation of temperature difference between two measurement tools

- **Panorama** — Take sequential images and combine to large image with FLIR BuildIR SW

- **Periodic Storage** — Store images automatically at preset intervals

- **Instant Reports** — Create instant report directly in camera, easily copy report to USB

- **Copy to USB** — Upload images and measurement findings to USB stick

- **IR Window Auto-Correction** — Automatic sensitivity adjustment when inspecting high voltage through safety IR windows

- **Li-Ion Rechargable Battery** — Replaceable battery lasts > 4 hours of continuous use

- **Interchangeable Optics** — Standard 25° lens and optional 15°, 45° and 90° lenses

- **Standard SD Card** — Stores more than 1000 radiometric JPEG images

- **Includes** — SD Memory Card, Li-Ion rechargeable battery with 100-260V AC adaptor/charger, 2-bay battery charger, QuickReport software, USB Mini-B cable, video cable, sun shield, stylus pen & headset, camera lens cap, and transport case
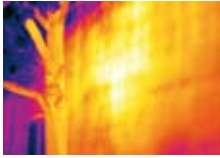

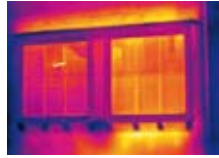**METER LiNK**
Bluetooth®

What is MeterLink™?

MeterLink displays and documents readings from your Extech moisture- or clamp meter directly on your infrared image using Bluetooth wireless connection.

MeterLink, a FLIR industry-first technology, will: greatly improve your diagnostics, save time annotating readings, eliminate data errors, and add more customer value to your reports.
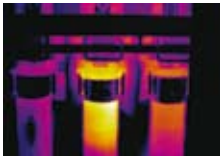
Applications

Building: Water and mildew in wall

Building: Heat Loss

Electrical: Hot Fuses

Building: Heat Loss

FLIR B425 Specifications

Imaging and optical data	
Field of view (FOV)	25° × 19° / 0.4 m
Thermal sensitivity/NETD	50 mK
Image frequency	9 Hz or 30 Hz
Focus	Manual/Automatic
Zoom	1–8× continuous, digital zoom, including panning
Spectral range	7.5–13 µm
IR resolution	320 × 240 pixels

Image presentation	
Display	Built-in touch screen, 3.5" color LCD
Image modes	IR image, visual image, MPEG4 video, 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	
Object temperature range	−20 °C to +350 °C
Accuracy	±2 °C

Measurement analysis	
Spotmeter	5
Area	5 boxes with max./min./average
Isotherm	Detect high/low temperature/interval
Difference temperature	Delta temperature between measurement functions or reference temperature
Measurement function alarm	Audible/visual alarms (above/below) on spotmeters, boxes and difference temperature
Screening	Difference temperature alarm, audible
Dew point alarm	1 dew point alarm
Insulation alarm	1 insulation alarm

Set-up	
Color palettes	BW, BW inv, Iron, Rain, RainHC, Bluered

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; MPEG-4 non-radiometric video
Periodic image storage	Every 10 seconds up to 24 hours
Panorama	For creating panorama images in FLIR BuildIR software

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
MeterLink	Connect Extech Clamp Meter EX845/Moisture Meter MO297 via Bluetooth®

Digital camera	
Built-in digital camera	3.1 Mpixel (2048 × 1536 pixels), and LED lights
Digital camera video recording	Video clip to memory card

Physical data	
Camera weight, incl. battery	0.88 kg
Camera size (L × W × H)	106 × 201 × 125 mm

Software

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

- **FLIR BuildIR™**
  A powerful yet easy-to-use software designed to visualise and quantify building related issues.

Accessories

- Pouch
- Extra battery
- Battery charger
- Car charger
- Selection of lenses

itc INFRARED TRAINING CENTER

Training

FLIR cooperates with Infrared Training Centre, an independent, ISO certified, worldwide training facility. ITC offers infrared training, certifications accepted by many standardization organizations, and specialized instruction in various application areas. For more info visit www.infraredtraining.com

www.flir.com/thg

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