

# FLIR b60

FLIR b60 a lightweight, competent combination of infrared and visual camera 2,3 Mpixel. New FLIR MeterLink™ technology, wireless Bluetooth connection with Extech Instruments, Copy to USB and voice annotation functionality make the FLIR b60 your favorite tool. The unique FLIR LED lights make it possible to work effectively even in dark environments. Features like Insulation alarm and Dew point alarm are perfect in a building site. Scalable fusion Picture in Picture functionality, in IR picture laser marker combined with easy to use menu system in the camera helps produce and save radiometric jpeg images in a professional way. FLIR QuickReport software™ makes it possible to analyze IR and visual pictures captured in field back in the office.



 IR resolution 180 x 180 pixels

 Digital camera 1536 x 1536 pixels

 Lightweight 600 g

 MeterLink™

 Copy to USB

 Laser marker in IR image

 Fusion (scalable Picture in Picture)

 5 hours battery

 LED lights

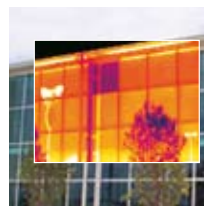
 21 languages

 Dew point & Insulation alarm

 NETD 70 mK

## FLIR b60 Features

- **Digital Camera** — 2.3 Megapixels with built-in LED lights provides sharp images regardless of lighting conditions
- **Picture in Picture (PiP)** — Displays resizable IR image super-imposed over a digital image
- **Wide Temperature Range** — Measures from -20 °C to +120 °C targeting building applications
- **MeterLink™** — Wirelessly transmit data from clamp or moisture meter to your infrared camera
- **± 2% Accuracy** — Reliable temperature measurement
- **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
- **Annotations** — Record voice comments via Bluetooth wireless headset
- **Laser Pointer with marker in IR image** — Accurate positioning with marker in the IR image
- **Micro SD Card** — Stores more than 2000 radiometric JPEG images
- **Copy to USB** — Upload images and measurement findings to USB stick



180 x 180 pixel resolution



Fusion (Scalable PiP)



Copy to USB



MeterLink™



MeterLink™  
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.

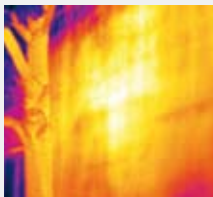
\*Only on selected Extech models

# FLIR b60 Specifications

| Imaging and optical data                  |   |
|---|---|
| Field of view (FOV) /                     | 25° × 25° / 0.10 m (0.33 ft.)   |
| Minimum focus distance                    |   |
| Spatial resolution (IFOV)                 | 2.42 mrad   |
| Thermal sensitivity/NETD                  | <0.07 °C (<0.13 °F) @ +25 °C (+77 °F) / 70 mK   |
| Image frequency                           | 9 Hz  |
| Focus                                     | Manual  |
| Focal Plane Array (FPA) /                 | Uncooled microbolometer / 7.5–13 µm   |
| Spectral range                            |   |
| IR resolution                             | 180 × 180 pixels  |
| Image presentation                        |   |
| Display                                   | Built-in 3.5 in. LCD, 256k colors, 240 × 320 pixels   |
| Image modes                               | IR image, visual image, Picture in Picture, thumbnail gallery                                     |
| Picture in Picture                        | Scalable IR area on visual image  |
| Measurement                               |   |
| Object temperature range                  | –20 to +120 °C (–4 to +248 °F)  |
| Accuracy                                  | ±2 °C (±3.6 °F) or ±2% of reading   |
| Measurement analysis                      |   |
| Spotmeter                                 | Center spot   |
| Area                                      | 1 box/full image with min./max.   |
| Automatic hot/cold detection              | Auto hot or cold spotmeter markers within area  |
| Emissivity correction                     | Variable from 0.1 to 1.0 or selected from list of materials                                       |
| Reflected apparent temperature correction | Automatic, based on input of reflected temperature  |
| Isotherm                                  | 1 with above/below  |
| Dew point alarm                           | Yes   |
| Insulation alarm                          | Yes   |
| Set-up                                    |   |
| Menu commands                             | Palettes (Black and White, Iron and Rainbow), image adjustment (auto/manual)                      |
| Set-up commands                           | Local adaptation of units, language, date and time formats; automatic shutdown, display intensity |
| Storage of images                         |   |
| Image storage                             | Standard JPEG, including measurement data, on memory card   |
| Image annotations                         |   |
| Voice                                     | 60 seconds  |
| External sensors                          | Possible to connect (Bluetooth®):<br>Extech Moisture Meter M0297 Extech<br>Clamp Meter EX845      |

| Digital camera                   |   |
|----------------------------------|---|
| Built-in digital camera          | 2.3 Mpixels (1536 × 1536 pixels), and two LED lights  |
| Digital camera, focus            | Minimum focus distance 0.4 m (1.3 ft.)  |
| Laser pointer                    |   |
| Laser                            | Semiconductor AlGaInP diode laser, Class 2  |
| Laser alignment                  | Position is automatic displayed on the IR image   |
| Data communication interfaces    |   |
| Interfaces                       | USB-A: Connect external USB device (copy to memory stick)<br>USB Mini-B: Data transfer to and from PC / streaming MPEG-4  |
| Power system                     |   |
| Battery                          | Li Ion (field replaceable), 5 hours operating time  |
| Charging system                  | In camera, AC adapter, 2-bay charger or 12 V from a vehicle   |
| Power management                 | Automatic shutdown (user selectable)  |
| AC operation                     | AC adapter, 90–260 VAC, 50/60 Hz, 12 V output to camera   |
| Environmental data               |   |
| Operating temperature range      | –15 to +50 °C (+5 to +122 °F)   |
| Storage temperature range        | –40 to +70 °C (–40 to +158 °F)  |
| Humidity (operating and storage) | IEC 68-2-30/24 h 95% relative humidity +25 °C to +40 °C (+77 °F to +104 °F)   |
| Encapsulation                    | IP 54 (IEC 60529)   |
| Bump                             | 25 g (IEC 60068-2-29)   |
| Vibration                        | 2 g (IEC 60068-2-6)   |
| Physical data                    |   |
| Camera weight, incl. battery     | 0.60 kg (1.32 lb)   |
| Camera size (L × W × H)          | 235 × 90 × 175 mm (9.3 × 3.5 × 6.9 in.)   |
| Scope of delivery                |   |
| Packaging, contents              | Hard transport case<br>Infrared camera with lens<br>Battery<br>Bluetooth headset<br>Bluetooth USB dongle<br>Bluetooth USB micro adapter<br>Calibration certificate<br>FLIR QuickReport™ PC software CD-ROM<br>Memory card with adapter<br>Power supply<br>Printed Getting Started Guide<br>USB cable<br>User documentation CD-ROM<br>Warranty extension card or Registration card |

## Applications



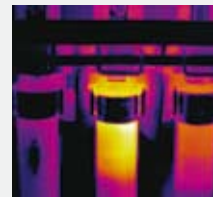
Building: Water and mildew in wall



Building: Heat Loss



Electrical: Hot Fuses



Specifications and prices subject to change without notice.

Copyright © 2010 FLIR Systems. All right reserved including the right of reproduction in whole or in part in any form.

**FLIR Systems, Sweden**  
World Wide Thermography Center  
Rinkebyvägen 19 - PO Box 3  
SE-182 11 Danderyd  
Tel: +46 (0)8 753 25 00  
e-mail: sales@flir.se

[www.flir.com/thg](http://www.flir.com/thg)



**Authorised FLIR dealer:**