

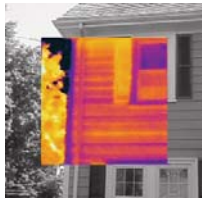
B-Series InfraRed Camera (320 x 240 IR Resolution)

Visible Light Camera with Fusion (PIP), Touch-Screen Display, and Interchangeable Lens

- 0.05°C @ 30°C Thermal Sensitivity
- Bright Video Lamp
- Voice Comment Recording on Images
- Picture-in-Picture Fusion
- 3.5" Touch-Screen LCD Display
- Convenient 120° rotating lens
- Analysis/Reporting Software included
- Auto-Focus
- Delta T - Differential Temperature
- Thumbnail Image Gallery



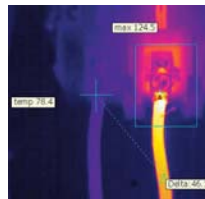
Multifunction Touch Screen



Picture-in-Picture (PIP) Fusion



120° lens rotation

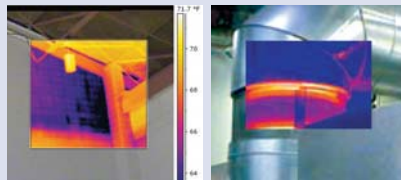


Differential Temperature



FLIR B300 Features

- **High Resolution IR Images** — 76,800 pixels (320 x 240) Infrared resolution
- **Visible Light Digital Camera** — 3.1MP resolution with flash provides sharp images regardless of lighting conditions
- **Insulation Alarm** — Easily detects areas that don't fulfill the insulation requirements
- **Dew Point Alarm** — displays areas with risk of surface condensation where mold growth could occur
- **Fusion Picture in Picture (PIP)** — Displays thermal image super-imposed over a digital image
- **Video Lamp** — Allows the visual camera and fusion to be used in poorly lit environments
- **Temperature Range** — Measures from -4 to 248°F (-20 to 120°C) targeting electrical and industrial applications
- **± 2% Accuracy** — reliable temperature measurement
- **Thumbnail Image Gallery** — Allows quick search of stored images
- **Rotating Lens** — Convenient rotating lens detents up to 120° for easy viewing angle
- **Li-Ion Rechargeable Battery** — Replaceable battery lasts >4hrs of continuous use
- **Laser LocatIR™ Pointer** — Pinpoints the hot spot on the IR image with the real physical target
- **Voice Comment Recording** — on images and can be integrated onto report
- **Interchangeable Optics** — Optional 6°, 15°, 45°, 90°, Close up: 100, 50, 25µm, easily attach to the camera body for greater versatility
- **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, sun shield, stylus pen & headset, camera lens cap, and transport case



Picture-in-Picture Fusion

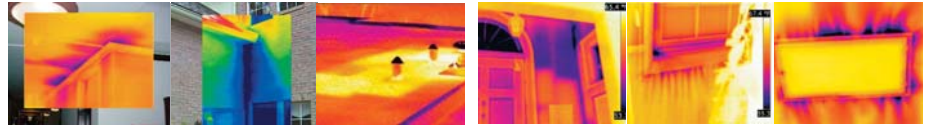
Allows for easier identification and interpretation of infrared images. This advanced technology enhances the value of an infrared image by allowing you to overlay it directly over the corresponding visible image. This functionality combines the benefits of both the infrared image and visible picture at the push of a button.



The Difference is Training

Insurance companies, restoration firms, building owners, and thermographers already involved in building maintenance and operations require a thorough applications training curriculum leading to certification in infrared building science. In response, the Infrared Training Center (ITC) and the Building Science Institute (BSI) have developed a course for those wishing to receive Building Science Certification. These courses address the Best Practices of the cleaning and restoration industry with content drawn from extensive field experience in thermography and building construction. They include references to actual cases illustrating how IR thermography has pinpointed sources of building moisture, provided definitive Cause and Origin data, enabled energy savings, and prevented incipient catastrophes. The Building Science series emphasizes practical real-world skill building, and includes infrared theory relevant to these skills.

Applications

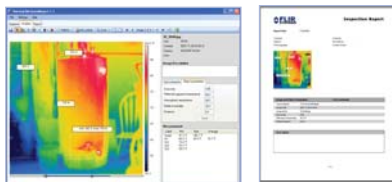


Water Damage - Water leak on ceiling, gutter, and roof top

Insulation - Energy Loss, Home Inspection, and HVAC

FLIR B300 Specifications

Features	
Temperature range	-4°F to 248°F (-20°C to 120°C)
Image Storage	1000 radiometric JPEG images (SD card memory)
Imaging Performance / Image Presentation	
Frame Rate	30Hz
Field of view/min focus distance	25° X 19°/1.31ft (0.4m)
Focus	Manual/Automatic
Thermal sensitivity (N.E.T.D)	<0.05°C at 30°C
Detector Type - Focal plane array (FPA) uncooled microbolometer	320 X 240 pixels
Spectral range	7.5 to 13µm
Display	Built-in touch-screen 3.5" color LCD
Image modes	Thermal/Visual/Fusion
Image annotation	Voice (60 sec)
Lens	25° (optional 6°, 15°, 45°, 90°, Close up 100 50, 25µm lenses available)
Video Lamp	Bright LED lamp
Laser Classification/Type	Class 2/Semiconductor AlGaInP 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	5 Spotmeters, 5 Box areas, Isotherm, Auto hot/cold spot, Delta T
Measurement correction	Reflected ambient temperature & emissivity correction
Battery Type/operating time	Li-Ion/ >4 hours, Display shows battery status
Charging system	In camera AC adapter/2 bay charging system
Shock	25G, IEC 68-2-29
Vibration	2G, IEC 68-2-6
Dimensions/Weight	4.2x7.9x4.9" (106x201x125mm)/1.94lbs (0.88kg), including battery
Warranty	2 years



QuickReport™ PC software enables user to analyze Temperature of all thermal pixels of any FLIR Camera JPEG images

FLIR BuildIR Software package specifically designed to carry out advanced analysis of building structures. It is used to analyze images taken with an infrared camera, and create inspection reports based on these images.



FLIR ThermaTrak™

If your IR camera is lost or stolen, ThermaTrak can help you track where it is.

Ordering Information

Part Number	
FLIR B300	Thermal Imaging InfraRed Camera (320x240)
ACCESSORIES	
1196398	Li-Ion Rechargeable Battery
1910399	AC Adapter Charger (110-240V, U.S. Plug)
1910490	Cigarette Lighter Adapter Kit, 12VDC (1.2m cable)
1196474	2-Bay Battery Charger including Power Supply (U.S. plug)
T197412	Lens 90° with case
1196960	Lens Wide Angle 45° with case
1196961	Lens Telephoto 15° with case
T197408	Lens 6° with case
T197215	Close-up Lens (100µm) with case
T197214	Close-up Lens (50µm) with case
T197415	Close-up Lens (25µm) with case
1124545	Camera Pouch
T197613	BuildIR Software package
CERTIFICATION TRAINING	
T-BSC	Certification in Infrared Building Science per attendee (3.5 Day Class)
ITC-RESNRG-2	Thermal Imaging for Residential Energy Audits Training per attendee (2 Day Class)
ITC-RESNRG-4	Thermal Imaging for Residential Energy Audits Certification per attendee (4 Day Class)

Tel: 1.800.464.6372 | Canada: 1.800.613.0507 | www.flir.com/thermography

Specifications and prices subject to change without notice. Rev. 10/29/09-R1

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