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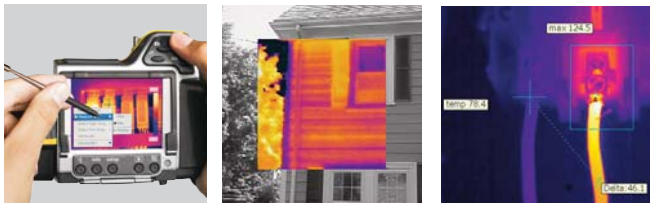
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FLIR B300

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

With on board Visual Camera, Picture-in-Picture Fusion, Touch Screen LCD & Interchangeable Lens

- 0.05°C @ 30°C Thermal Sensitivity
- Bright Video Lamp
- Annotate Images with Voice
- Picture-in-Picture Fusion
- 3.5" Touch-Screen LCD Display
- Convenient 120° rotating lens
- 2X Continuous Zoom
- Analysis/Reporting Software included



Multifunction Touch Screen Picture-in-Picture (PIP) Fusion 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
- **2X Continuous Zoom** — Zoom with auto/manual focus
- **Rotating Lens** — Rotating lens detents up to 120° for easy viewing angle
- **Insulation Alarm** — Detects areas that don't fulfill the insulation requirements
- **Dew Point Alarm** — Displays areas with risk of surface condensation where mold growth could occur
- **Scalable Picture in Picture (PIP) Fusion** — 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** — From -4 to 248°F (-20 to 120°C) targeting insulation, HVAC, and building applications; Optional higher temperature up to 2192°F/1200°C available
- **± 2% Accuracy** — reliable temperature measurement
- **Thumbnail Image Gallery** — Allows quick search of stored images
- **Li-Ion Rechargeable Battery** — lasts >4hrs continuous use; replaceable
- **Copy to USB** — Easy upload of a single image or a folder from the camera to a USB memory stick
- **Laser LocatIR™ Pointer** — Pinpoints a reference spot with a laser and aligns a marker to it on the image
- **IR Window Correction** — Menu settings allow you to account for transmission loss through IR windows
- **Voice Comment Recording** — on images & can be integrated onto report
- **Wireless Communication** — Bluetooth® Transmitter with METERLiNK™
- **Includes** — SD Memory Card (stores >1000 Radiometric JPEG images), Li-Ion rechargeable battery with 100-260V AC adaptor/charger, two rechargeable batteries, 2-bay battery charger, QuickReport software, USB Mini-B cable, Bluetooth® USB micro adapter, sun shield, stylus pen, headset, camera lens cap, and hard transport case
- **Interchangeable Optics** — Optional 6°, 15°, 45°, 90°, Close up: 100, 50, 25µm, easily attach to the camera



Warranty extended to 2 years when the camera is registered

## Applications



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

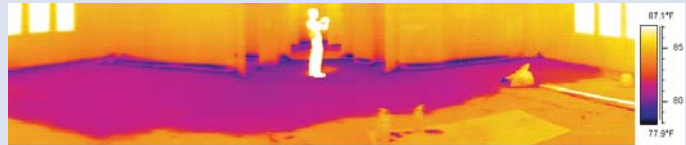
Insulation — Energy Loss, Home Inspection, and HVAC

## Software Packages

**QuickReport™** PC software enables users to Organize, Analyze and Create Reports with FLIR Cameras.

**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 Reporter Ver. 8.5** is a powerful software for creating compelling and professional, fully customized, easy-to-interpret reports in a standard MS Word Document. You can create a report by simply Dragging and Dropping your images on a desktop icon or using the Wizards to guide you step-by-step through the process. The saved document is a 'live' report with full access to the analysis tools and temperature measurement data. The reports can be multi-page and include all of your IR inspection data -infrared and visual images, temperature measurements, voice comments and text notes.



### Panorama Function

This unique function allows you to conveniently piece together normal sized images to create one large image for a wide angle view of the area being measured by using FLIR BuildIR or Reporter Software package



**METERLiNK frees the Thermographer from the manual process of collecting field data**



Infrared cameras quickly locate moisture related problems



Collecting moisture readings on damaged surfaces and associating them with regions on an infrared image can be a complicated and cumbersome process



Manual data collection is time-consuming and prone to errors. METERLiNK eliminates this problem by allowing the thermographer to quickly take moisture readings on a damaged surface and associate those readings with the corresponding targets stored in an infrared image

## FLIR B300 Specifications

### Features

Temperature range	-4°F to 248°F (-20°C to 120°C); Optional Higher Temperature available
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/Picture-in-Picture 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 (Warranty extended to 2 years when the camera is registered)

## Ordering Information

### Part Number

45306-0201 .....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)
T197650	.....2-Bay Battery Charger including Power Supply (multi plugs)
1124545	.....Camera Pouch Case
T197000	.....High Temperature Option 2192°F/1200°C
T197006	.....High Temperature Option 662°F/350°C
T197613	.....BuildIR Software package
T197717	.....FLIR Reporter Ver. 8.5 Professional
4114887	.....FLIR ThermaTrak™

### 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)

\*Optional Camera Lenses available. Please refer to the Camera Lens Datasheet



FLIR ThermaTrak™

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



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