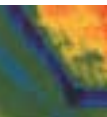


## ThermaCAM™ B2

Extremely affordable infrared camera  
especially developed for the building industry



- HIGH THERMAL SENSITIVITY (0.10°C)
- USEFUL BUILDING FEATURES INCORPORATED
- SOUND AND COLOR ALARMS
- WIDE-RANGE OF LENSES AND ACCESSORIES
- IN-FIELD TEXT ANNOTATION
- THERMACAM QUICKVIEW™ SOFTWARE INCLUDED
- COMPATIBLE WITH THERMACAM REPORTER™ AND THERMACAM IMAGE BUILDER™
- SPECIAL CALIBRATION FOR THE BUILDING INDUSTRY (-20°C + 100°C)



# ThermaCAM™ B2

Extremely affordable infrared camera especially developed for the building industry

## EASY AND QUICK BUILDING INSPECTIONS WITH THE THERMACAM B2

To meet the specific needs of the demanding building industry FLIR Systems has teamed up with professional and experienced building inspectors and has developed the ThermaCAM B2. The result is an extremely affordable infrared camera, which has the features that are indispensable when doing infrared building inspections, and the necessary software to make professional inspection reports.

## POWERFUL FEATURES ESPECIALLY DEVELOPED FOR THE BUILDING INDUSTRY

- AUTOMATIC DEW POINT IDENTIFICATION ALARM - IN THE CAMERA, ON-SITE, NO SOFTWARE NEEDED
- SOUND AND COLOR ALARMS
- IN-FIELD TEXT ANNOTATIONS
- LASER LOCATIR™
- ESPECIALLY CALIBRATED FOR THE BUILDING INDUSTRY (-20 °C UP TO +100 °C)



## EASY OPERATION

At the touch of a button you can easily change color palettes, emissivity settings, temperature ranges and other analysis tools. Built-in menu systems provide easy access to advanced yet simple to use software.

## LOCATE AND ANALYZE PROBLEMS FAST

Analyze problems and share results with your colleagues in the field. Movable crosshairs allow you to measure and analyze the temperature at a single point. Find the hottest spot in a defined area, highlight areas of concern with color or sound alarms. The ThermaCAM B2 has all the analysis tools you need to make instant building decisions in the field.

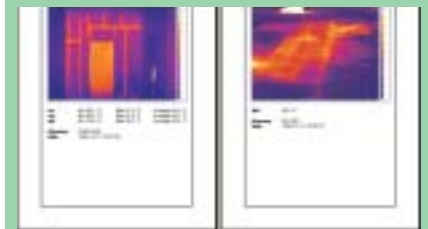


## FLEXIBLE STANDARD JPEG IMAGE STORAGE

The camera stores up to 200 infrared pictures in standard, low density JPEG format, giving you instant visibility of the images stored in the field.



## THERMACAM QUICKVIEW BASIC REPORTING SOFTWARE INCLUDED



## THERMACAM QUICKVIEW™ BASIC REPORTING SOFTWARE INCLUDED

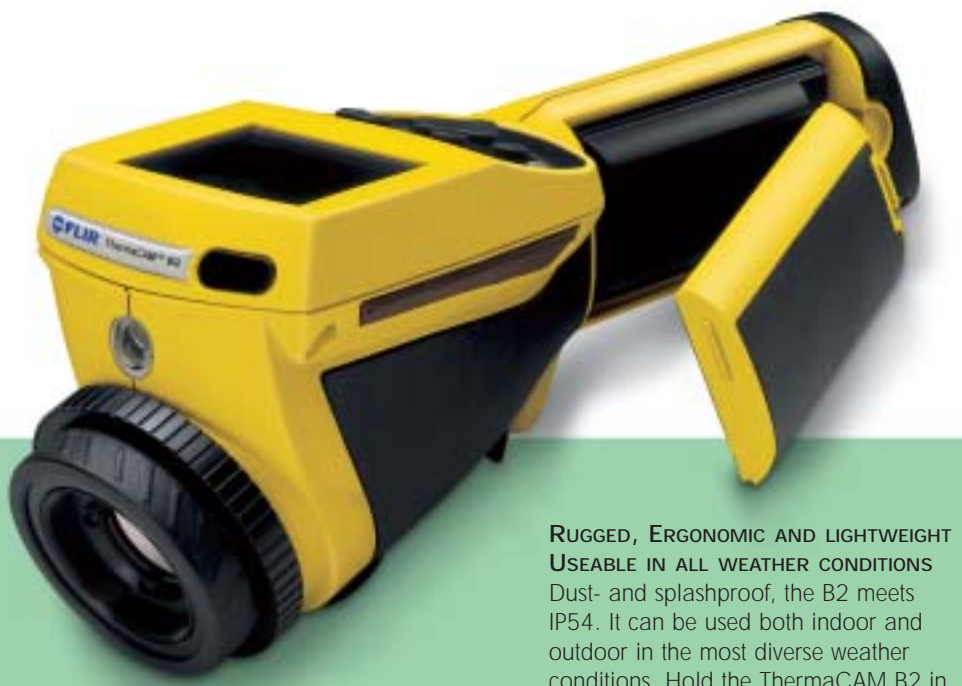
The ThermaCAM B2 comes with the ThermaCAM QuickView software included. This allows you to do basic post-analysis of your captured IR images and to make simple reports in a PDF-format.



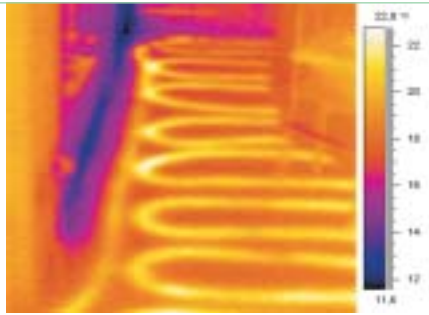
## ADAPTABLE TO THE MOST CHALLENGING SITUATION THANKS TO A WIDE RANGE OF ACCESSORIES

The ThermaCAM B2 is designed with a built-in 17mm lens, which is suitable for a majority of building applications. Interchangeable optics offer the building thermographer the flexibility to adapt his infrared camera to the most demanding building applications.





**RUGGED, ERGONOMIC AND LIGHTWEIGHT**  
**USEABLE IN ALL WEATHER CONDITIONS**  
 Dust- and splashproof, the B2 meets IP54. It can be used both indoor and outdoor in the most diverse weather conditions. Hold the ThermoCAM B2 in your hand. Clip it to your belt or put it in your toolbox. With a weight of less than 700 grams, the B2 is the lightest infrared camera in the world.



**SOUND AND COLOR ALARMS**

The operator can set a maximum temperature in the camera. If the B2 is pointed to an object and this temperature is exceeded, the camera will produce an audible and/or a visible alarm.

**SMART POWER MANAGEMENT**

No need to worry about batteries dying and losing valuable inspection time. The lightweight, long-life Li-Ion battery ensures uninterrupted inspections. It runs up to 2 hours and the ThermoCAM B2 features an internal battery charger. A 2-battery charging system and a car/truck charger adapter, so that you can charge to camera on the way to your next job, are optionally available.

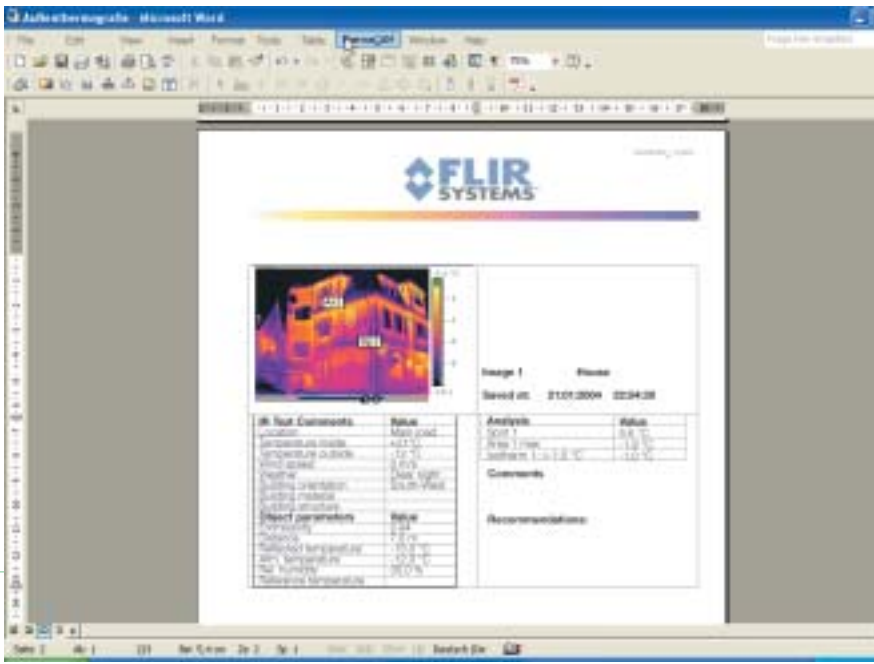
**SOFTWARE: USEFUL PACKAGES, DESIGNED FOR THE BUILDING INDUSTRY**

**THERMACAM IMAGE BUILDER™**

Developed on request of the building industry, ThermoCAM Image Builder is an image assembling software that lets you create a large, composite infrared image out of many small images.

**THERMACAM REPORTER™**

Full radiometric images, captured by the ThermoCAM B2 can easily be incorporated in the new Microsoft Word based ThermoCAM Reporter software. You can make professional reports which you can present to your clients, architects,... immediately



**PRECISION TEMPERATURE MEASUREMENT**  
**EXTRAORDINARY IMAGE QUALITY**

The ThermoCAM B2 delivers unmatched temperature measurement accuracy. The result is a thermal sensitivity of 0.10°C and clear noise-free images.

A low thermal sensitivity not only offers you the possibility to see the smallest of temperature changes, it also means that you get a clear, noise-free, excellent quality image which can not be obtained by less sensitive cameras. Thanks to these very detailed images, which are displayed on the camera's 2.5" color LCD, you will clearly see the smallest temperature changes in a building.





# TECHNICAL SPECIFICATIONS

## IMAGING PERFORMANCE

Field of view/min focus distance	Typical 19° x 14°/0.3 m (with 17 mm lens)
Thermal sensitivity	0.10°C at 30°C
Image frequency	50/60 Hz non-interlaced
Focus	Manual
Detector type	Focal Plane Array (FPA), uncooled microbolometer
Spectral range	160 x 120 pixels 7.5 to 13 µm

## IMAGE PRESENTATION

Video output	PAL or NTSC, standard RCA composite video
External display	2.5" color LCD, 16K colors

## MEASUREMENT

Temperature range	-20°C to +100°C (-4°F to +482°F)
Accuracy	±2°C, ±2%
Repeatability	±1°C, ±1%
Measurement mode	1 movable spot, area max, area min, area avg, dew-point alarm color and/or sound alarm above or below auto-adjust (continuous/manual)
Menu controls	Palettes (iron, rainbow, rainbow HC, B&W, B&W inverse), Date/time, temperature units °C/°F, language, scale, info field, LCD intensity (high/normal/low)
Set-up controls	Emissivity variable from 0.1 to 1.0, reflected ambient

## IMAGE STORAGE

Type	Built-in FLASH memory (up to 200 images)
File formats	Standard JPEG
Text annotation of images	Predefined text selected and stored together with the image

## LENSES (OPTIONAL)

2 x Telescope	Typical 9° x 7°/1.2 m (with 36 mm lens)
0.5 Wide angle	Typical 34° x 25°/0.1 m (with 9 mm lens)
0.25 Wide angle	Typical 60° x 45°/0.1 m (with 4.5 mm lens)



adapt your camera  
to EVERY situation

## LASER LOCATIR™

Classification	Class 2
Type	Semiconductor AlGaInP Diode Laser: 1mW/635 nm red

## BATTERY SYSTEM

Type	Li-Ion, rechargeable, field replaceable
Operating time	2 hours continuous operation. Display shows battery status
Charging system	In camera, AC adapter or 12 V from car (with optional Std. cable) 2 bay intelligent charger, 12 V (optional)
AC operation	AC adapter 90-260 V AC, 50/60 Hz, 12 V DC out
Voltage	11-16 V DC
Power saving	Automatic shutdown and sleep mode (user selectable)

## ENVIRONMENTAL SPECIFICATION

Operating temperature range	-15°C to +50°C (+5°F to +122°F)
Storage temperature range	-40°C to +70°C (-40°F to +158°F)
Humidity	Operating and storage 20% to 80%, non-condensing
Encapsulation	IP54, IEC 359
Shock	Operational: 25G, IEC 68-2-29
Vibration	Operational: 2G, IEC 68-2-6

## PHYSICAL CHARACTERISTICS

Weight	700 g (1.5 lbs.), incl. battery with 17mm lens
Size	265 mm x 80 mm x 105 mm (10.4" x 3.1" x 4.1")
Tripod Mounting	1/4" - 20
Cover case	Plastic and rubber

## INTERFACES

USB	Image and text transfer to PC
RS-232 cable (optional)	Image and text transfer to PC
Video Output	Standard RCA composite video

## THERMACAM™ B2 INCLUDES:

IR camera, Carrying case, Power supply, Handstrap, Lens cap,  
ThermaCAM Quickview™ Software, USB cable, User manual,  
Power cord, Battery (2), Battery charger

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