![FLIR SYSTEMS logo]

FLIR SYSTEMS

The Global Leader in Infrared Cameras

FLIR B360
INFRARED CAMERA

FLIR **B360**

Great features, great resolution
at an affordable price!

The Best in Infrared
www.goinfrared.com/B360

Holster for Portability and Easy Access to Camera

Target Illuminator and 1.3 Mega Pixel Visual Camera

Tiltable Optics Reduces Back and Arm Strain

Touch Screen Text/Sketch Functionality

- Thermal Fusion Functionality
- Interchangeable Optics
- 1.3 MegaPixel Visual Camera
- Automatically Associates the Visual and Thermal JPEG Images
- Includes FREE QuickReport Software for Analysis & Reporting
- Compatible with Optional Microsoft Word®-Based ThermaCAM Reporter Software w/Spell Check
- Removable SD/Memory Card, USB & Video Out
- Onscreen Thumbnail Image Gallery
- 5 Temperature Spots
- Auto or Manual Focus
- Hot/Cold Spot & Visual Alarms
- Large 3.5" Color Touch-screen LCD
- High Thermal Sensitivity for Maximum Temperature Accuracy
- Built-in LaserLocatIR™
- Long 4-hour Battery with In-Camera Charging or Car Charger
- Optics head & display screen are independently rotatable for optimum viewing

Insulation Alarm

The all new Insulation Alarm quickly determines the quality of insulation within walls, attics and other cavities, allowing you to determine whether or not insulation is performing within specifications.

Hot/Cold Spot & Visual Alarms

Seeing the hottest or coldest spot on the thermal image is often a critical requirement. You can even pre-set temperature triggers to show visible alarms, and the advanced in-camera tools can identify overheating circuits, missing insulation, mechanical failures, and water intrusion leaks.

Improved Image Quality Plus
More Features Equals **Better Value!**

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Razor-Sharp Image Quality

The B360 delivers 320 x 240 IR resolution — that's 76,800 pixels. This, combined with FLIR's exclusive Advanced Signal Processing, reduces image "noise" and produces razor-sharp thermal images four times the resolution of competing brands with 160 x 120 resolution. Image, as they say, is everything!

Advanced Optics

The B360 offers both Auto and Manual Focus, making it easy for anyone to take razor-sharp thermal images and helping those new to infrared from taking out-of-focus images.

Interchangeable Lenses

The B360 comes with a built-in standard 25° lens with the option of adding on a 45° wide angle or 15° telephoto lens.

Thumbnail Image Gallery

An easy-to-access thumbnail image gallery is available to help you quickly review your saved thermal images to find the one you want – a massive convenience and time saver!

1.3 Mega Pixel Visual Camera

Capture visible images at the same time you capture your thermal image with a built-in 1.3 mega pixel digital camera. Includes a target illuminator for low light situations. You can draw markers using Touch Screen technology that works directly on the visual image.

Maximum Connectivity Options: SD/Memory Card, Audio, Video & USB

Thousands of images can be stored to a standard removable SD Memory Card. A standard Video port lets you display your images in real-time with any number of off-the-shelf video displays – ideal when working with a team or showing thermal output to customers, clients or superiors. A standard USB port allows for automatic image download from the camera using ThermaCAM® QuickReport.

In-Camera Radiometric JPEG Image Format

The infrared image is more than just a picture. All temperature data, object parameters, analysis tools are stored with the infrared image, allowing for advanced post-processing and report writing using FLIR QuickReport™ (included) or FLIR's Microsoft® Word®-Based FLIR Reporter™. The B360 JPEG image format combined with FLIR's versatile PC software creates a powerful and unique Thermography system that eases data collection in the field.

Microsoft® Word®-compatible Software with Spell Check

The B360 comes with FREE QuickReport analysis and reporting software. Simply drag-and-drop thermal images to create reports quickly and easily. Optional Reporter software allows you to transfer fully radiometric – or "live" – images into Word so you can go back and edit reports, adjust temperature span or change color palettes at any time – critical functionality if you intend to email reports to peers, customers or superiors or simply if you want to run Spell Check!

Up To 5 Temperature Spots

With the B360, you can also set up to 5 temperature spots on each thermal image – giving you a lot of power to easily view spot temperatures on and around the target you're viewing.
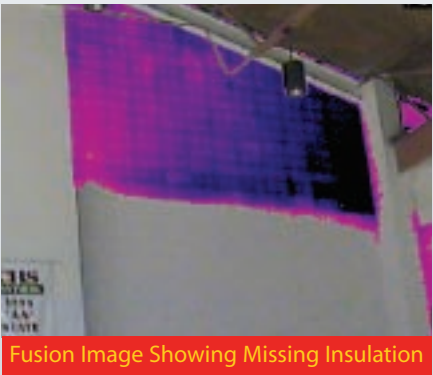
Now with FLIR THERMAL FUSION!

FLIR's new FUSION functionality 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 visual picture at the push of a button. The B360 camera does this in real-time and the overlay function can be easily adjusted to suit any application such as electrical surveys, building diagnostics, and mechanical inspections.

Visual Image of Wall

Fusion Image Showing Missing Insulation

Infrared Image

FLIR B360 Technical Specifications

Imaging Performance	
Field of view/min focus distance	25°x19° / 0.4 m (1.31 ft.)
Thermal sensitivity (NETD)	0.06°C @ +30° (+86°F) / 60mK
Detector type	Focal Plane Array (FPA), uncooled microbolometer
IR resolution	320 x 240
Spectral range	7.5 to 13 µm
Digital zoom and pan/focus	1-4X continuous/auto & manual focus
IFOV (with 25° lens)	1.36 mRad

Image Presentation	
Image modes	Thermal, Visual, Thermal Fusion
Thermal Fusion	Merging of visible light and IR image (Interval)
FLIR Fusion	Picture in Picture (PIP) Resizable and movable
Display	Built-in touch-screen LCD display, 3.5 in.
Visible light camera resolution	1280 x 1024 (1.3 megapixels)
Video lamp	1000 CD

Measurement	
Object temperature range	−20°C to +120°C (−4˚F to +248˚F), Optional up to +1200°C (+2192°F)
Accuracy	±2˚C (±3.6˚F) or ±2% of reading
Measurement modes	5 Spotmeters, 5 Box areas, Isotherm, Auto hot/cold spot
Alarms	1 humidity alarm (includes dew point alarm), 1 insulation alarm
Set-up controls	Mode selector, color palettes (BW, BW inv, Iron, Rain), configure info to be shown in image, local adaptation of units, language, date and time formats, and image gallery
Measurement corrections	Reflected ambient temperature and emissivity correction

Image Storage	
Digital storage functions	Removable SD Memory Card
Image storage capacity	1000+ JPEG images
Image storage mode & formats	IR/visible light, simultaneous storage of IR and visible light images, standard JPEG

Laser LocatIR™	
Classification/Type	Class 2/Semiconductor AlGaInP Diode Laser: 1mW/635 nm (red)

Power Source	
Battery type	Rechargeable Lithium-Ion battery
Battery operating time	4 hours +
Battery charging	2 bay charging system, 10-16 V input. Charging status indicated by LED's
AC operation	AC adapter, 90-260 VAC input. 12 V output to camera
Voltage	11-16 VDC
Power management	Automatic shut down and sleep mode after settable time

Environmental	
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	95% relative humidity +25°C to +40°C (+77°F to +104°F) non condensing
Water and dust resistant (encapsulation)	IP 54, IEC 529
Shock	25G, IEC 68-2-29
Vibration	2G, IEC 68-2-6

Physical Characteristics	
Weight	0.88 kg (1.94 lb.)
Size (L x W x H)	106 x 201 x 125 mm (4.2 x 7.9 x 4.9 in.), with lens pointing forward
Tripod mounting	1/4" - 20

Interfaces	
USB (cable included)	Image transfer to PC
Video output	NTSC Video

Software	
QuickReport™	Included
Reporter™ 8 (Microsoft® Word based)	Optional

Camera includes:
IR camera with F 1.3 25° lens, image frequency 30Hz
Integral visible light camera with lamp
Transport case
Camera Lens Cap
Battery
2-bay battery charger
Video Cable
USB cable Std A <-> Mini B, 2 m/6.6 ft.
SD Memory Card
Sun Shield
Stylus Pen
User documentation CD-ROM, 21 languages
Power supply
Getting Started guide

Interchangeable lenses/options
Optional Add-on optics, Telephoto lens, 15°
Optional Add-on optics, Wide angle lens, 45°
High temperature option (up to +1200 °C/+2192 °F)
12 volt auto adapter
Hip/Belt mounted camera holster
Neckstrap
USB-A for memory stick

From Left to right: *USB mini for PC image download, NTSC video, USB-A for memory stick image transfer*