

Fluke TiR Series Buildings Thermal Imagers



Where can thermal imaging save me time and money?

Why thermal imaging?

Productivity

Scan large areas quickly to detect problems or the extent of any damage. Whether you own your own business or maintain a commercial or residential facility, time is on your side when you use thermal imaging to get your work done.

Profitability

Turn to thermal imaging to drive improvements to your bottom line. Building inspections go much faster, saving you time and moneygetting you to your next job faster. Use it to reduce energy usage or help keep mission critical equipment running.

Safety

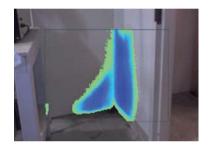
Thermal imaging is a noncontact technology and can identify potential problems from a safe distance. Scan elevated or hard to reach surfaces without risking you or your employees' safety.

- Reduce energy usage:
- Locate air leakage resulting from improperly installed or worn seals on windows and doors
- Verify missing, damaged or incorrectly installed insulation
- Detect moisture intrusion and the possible existence of mold or mildew
- Extend the life of roofs by locating and fixing leaks
- Locate damaged or unsealed components of HVAC/R systems (air conditioning, heating, air handlers, and refrigeration)

Visit **www.fluke.eu/ti** for a library of thermal imaging case studies and application notes.



Insulation failures: Discover problems with insulation that result in elevated energy bills.

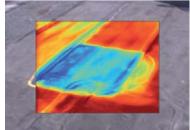


Moisture detection: Easily detect the extent of moisture damage behind interior walls, in ceilings and under carpets.



Air leakage: Identify sources of energy loss due to improperly installed or worn seals on windows and doors.





Roofing: Detect water-saturated insulation in flat-roof systems to locate damaged portions of roofing structure.

Fluke TiR Series Building Diagnostic Thermal Imagers

Superior image quality

Just pick up a Fluke imager and you'll immediately see the difference. Fluke delivers the clear, crisp images needed to find and fix problems fast.

- Industry leading thermal sensitivity (NETD) enables you to identify the small temperature differences that could indicate big problems
- Even the smallest details become visible with the large, widescreen full VGA color LCD display
- Patented IR-Fusion®, only from Fluke, delivers the industry's best visible/infrared image alignment and focusing

Easy to use

When you pick up a tool, you need it to operate and deliver results without having to read a heavy manual.

- Intuitive, three-button menu is easy to use...simply navigate with the push of a thumb
- Easy, manual focus allows for precise image viewing control
- File management is effortless with the Fluke proprietary .is2 file format, which automatically stores the visual image, infrared image, voice and text annotations in one simple file (other file formats are also supported both on imager and in SmartView software)

Rugged

Tools are meant to be used, and Fluke thermal imagers are designed to reliably operate in the toughest environments.

- Engineered and tested to withstand a 2 meter drop—when was the last time you dropped a tool?
- Withstands dust and water, tested to an IP54 rating
- Use in ambient temperatures as low as -10 °C and high as +50 °C



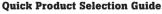
Fluke thermal imagers are built tough to withstand long hours in the field so users can move from job-to-job quickly.



Field replaceable batteries and optional visor on the TiR32 gives you maximum flexibility no matter where your work takes you.



Award winning performance — what you've come to expect from Fluke.



	TiR32	TiR1	TiR	TiRx
Detector type	320 x 240	160 x 120	160 x 120	160 x 120
Thermal sensitivity	50 mK	70 mK	100 mK	100 mK
Temperature range	150°C	100°C	100°C	100°C
IR-Fusion®	•	•	•	
Dew point temperature alarm	•			
Optional lenses	•			
Voice annotation	•	•		
Replaceable batteries	•			
Choice of palettes	15	6	6	4

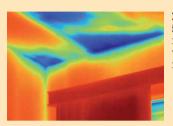
For detailed specifications see page 7.



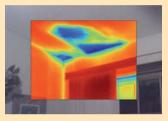
Fluke IR-Fusion®



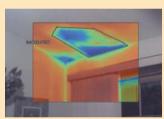
IR-Fusion® samples



Full (traditional) infrared: Displays a full screen infrared view for maximum infrared detail.



Picture-in-picture: Maintains a frame of reference by placing an IR "window" within a visual (visible light) image.



Blending: Blends the visible and infrared images together in any user-selected proportion to create a more compelling, understandable image.



IR/color alarm:

Isolates problematic areas by displaying a visual image with infrared highlights for surface temperatures in between, above or below, or outside a user-selected range.



Full Visual (visible light): Displays a digital photographic image, as you would get from a digital camera.

More than picture in picture

Infrared images alone can be difficult to understand, which is why Fluke pioneered IR-Fusion, a revolutionary marriage of visible and infrared images never before seen in commercial or industrial thermal imagers. Automatically capturing a visible image with every infrared image allows you to you always know exactly what you're looking at.

Not all fusion is created equal

Don't be fooled by imitators. Patented IR-Fusion is the only solution with physical parallax correction, enabling the perfect alignment and blending of both infrared and visible images. While many manufacturers have attempted to duplicate Fluke IR-Fusion, none have been able to match it. Turn to Fluke IR-Fusion to deliver the industry's best thermal images.

Thermal imager features





SmartView® Software

Powerful

Everything you need for analysis and reporting.

- Extensive annotation, editing, and viewing options with full IR-Fusion® capabilities
- 3D-IR™ delivers unique three-dimensional analysis capabilities
- Multiple reporting options and templates

Easy to use

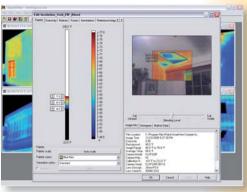
It's never been easier to enhance and analyze your thermal images.

- SmartView tools and controls allow easy access to editing functions
- Report Wizard guides you through automatic, professional report generation

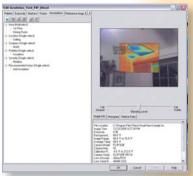
Included with every imager

Fluke includes SmartView software with unlimited licenses and lifetime upgrades with every thermal imager.

• No need to pay extra for a professional software solution



Navigate, analyze and enhance IR images.



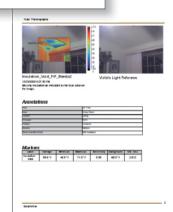
Organize data with extensive annotations.

FLLIKE: Fluids Themodynamy MID Consequed view texts. Share Till Mare Till Home Inspection Residential Fluids Themography MID Consequed view texts. Share Till Fluids Themography Share Till Share Till

Simplified

report generation.

professional



SmartView® system requirements

Software requirements

- Microsoft Windows XP/Vista
- Web browser for product registration and viewing FAQs: Microsoft* Internet Explorer 5.0 or newer
- Microsoft® Word 2007 for report template modification (optional)

Hardware requirements

- Memory card reader to transfer images to computer (included)
- \bullet 512 MB RAM (IGB for Vista), not including the space requirements for web browser and Microsoft* Word
- 16-bit color, 1024x768 resolution video or better
- Color printer for printing images (optional)
- CD-ROM drive for installing SmartView software

Thermal imaging terminology explained



Palette—Color representation of the temperatures (temperature scale) in a displayed image. Certain color palettes meet personal preferences or optimize the image for different applications and/or problems. An example of the different palettes appear to the right.

Sensor Size—Similar to digital cameras the sensor size describes the amount of displayed points per image of a thermal imager. A sensor size of 320 x 240 captures and displays more than 76.800 measurement points with each measurement. If the imager is fully radiometric then it also truly measures and stores all captured points with the image.

Field of view (FOV)—Indicates what the thermal imager sees or measures at a given moment. The combination of the Field Of View specification and the distance to the measured object determines which surface or part of an object will be measured as a total. A FOV calculator on www.fluke.eu/ti helps you calculate the measurement surface at various distances to the object.

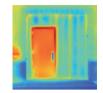
Thermal sensitivity—Indicates what the smallest temperature difference is which can be measured/displayed in an image. It basically is the maximum resolution of the image and is referred to as NETD (noise equivalent temperature difference).

Emissivity adjustment—All surfaces emit infrared energy or heat. The level of emission varies much per surface and is described with the term emissivity. Painted coatings and materials usually have a high emissivity while polished aluminum has a low emissivity. Visit www.fluke.eu/ti for a table with emissivities for different materials. To measure the temperature of a material accurately it will be necessary to adjust for the material's emissivity.

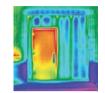
Span—The set of temperature values that can be measured within a preset range. Adjusting the span allows you to see more subtle temperature gradients (or contrast) in a captured image. When the span is optimized the imager shows 256 different shades of color in an image.



Ironbow



Blue-red



High contrast



Ambe:



Hot metal



Grey

Specifications				
	TiR32	TiR1	TiR	TiRx
Temperature				
Temperature measurement range (not calibrated below -10 °C)	-20 °C to +150°C		-20 °C to +100 °C	
Temperature measurement accuracy	± 2 °C or 2 % (at 25°C nominal, which	ever is greater)	± 5 °C or 5 % (at 25°C nominal, whichev	er is greater)
On-screen emissivity correction	Yes	ever to greater,		
On-screen reflected background	Yes		_	
temperature compensation On-screen transmission correction	Yes			
Imaging performance	165		_	
Detector type	320 X 240 Focal Plane Array, uncooled microbolometer	160 X 120 Focal F	lane Array, uncooled microbolometer	
Thermal sensitivity (NETD)	≤ 0.05 °C at 30 °C (50 mK)	≤ 0.07 °C at 30 °C (70 mK)	≤ 0.1 °C at 30 °C (100 mK)
Infrared spectral band		7.5 μ m to 14 μ m (long wave)	10M B: 1	
Visual (visible light) camera Minimum focus distance	Industrial Performance 2.0 Megapixel	46 cm	nance 1.3 MegaPixel	
Standard infrared lens type		40 CIII		
Field of view		23 ° x 17 °		
Spatial resolution (IFOV)	1.25 mRad		2.5 mRad	
Minimum focus distance		15 cm		
Optional telephoto infrared lens type Field of view	11.5 ° x 8.7 °		_	
Spatial resolution (IFOV)	0.63 mRad			
Minimum focus distance	45 cm			
Optional wide-angle infrared lens type				
Field of view	46 ° x 34 °			
Spatial resolution (IFOV) Minimum focus distance	2.50 mRad			
Focus mechanism	7.5 cm Manua	ıl, one-handed Smart Focus capab		
Image presentation	Maria	a, one nanasa emarer esas sapas	,	
Palettes				
Standard	Ironbow, Blue-Red, High Contrast, Amber, Amber	Ironbow, Blue-Red, High Contrast, Amber, Hot Metal, Grey	Ironbow, Blue-Red, High Contras	t, Grey
Ultra Contrast	Inverted, Hot Metal, Grayscale, Grayscale Inverted Yes	Alliber, not wetar, drey		-
Level and span		scaling and manual scaling of leve	and span	
Fast auto toggle between manual	Yes		_	
and auto modes	Yes			
Fast auto-rescale in manual mode Minimum span (in manual mode)	2 °C			
Minimum span (in auto mode)	3 ℃		5 °C	
IR Fusion® information				
Automatically aligned (parallax correctable) visual and IR blending		Yes		_
Picture-In-Picture (PIP)	Three levels of on-screen IR blending displa	ayed in center of LCD	100 % IR displayed in center or LCD	
Picture-In-Picture (PIP) Full screen infrared	Three levels of on-screen IR blending displated in the screen IR b		100 % IR displayed in center or LCD 100 % IR displayed in center of LCD	_ _
Full screen infrared Color alarms (temperature alarms)				
Full screen infrared Color alarms (temperature alarms) Voice Annotation	Three levels of on-screen IR blending displation Dew point temperature alarm (User selectable)	ayed in center of LCD	100 % IR displayed in center of LCD —	_
Full screen infrared Color alarms (temperature alarms) Voice Annotation Voice annotation	Three levels of on-screen IR blending displa	ayed in center of LCD	100 % IR displayed in center of LCD	_
Full screen infrared Color alarms (temperature alarms) Voice Annotation	Three levels of on-screen IR blending disple Dew point temperature alarm (User selectable) 60 seconds maximum recording time per image; re	ayed in center of LCD	100 % IR displayed in center of LCD —	_
Full screen infrared Color alarms (temperature alarms) Voice Annotation Voice annotation Image capture and data storage Image capture, review, save mechanism	Three levels of on-screen IR blending displated by Dew point temperature alarm (User selectable) 60 seconds maximum recording time per image; re One-handed SD Memory Card (2 GB memory card will store at least	viewable playback on imager I image capture, review, and save of t 1200 fully radiometric (.is2) IR an	100 % IR displayed in center of LCD — — apability d linked visual images each with 60 sec	- - onds voice
Full screen infrared Color alarms (temperature alarms) Voice Annotation Voice annotation Image capture and data storage Image capture, review, save mechanism Storage medium	Three levels of on-screen IR blending displated by the point temperature alarm (User selectable) 60 seconds maximum recording time per image; reconstruction of the	viewable playback on imager I image capture, review, and save o st 1200 fully radiometric (.is2) IR an	100 % IR displayed in center of LCD — apability d linked visual images each with 60 secole to PC via included multi-format USB	- - onds voice
Full screen infrared Color alarms (temperature alarms) Voice Annotation Voice annotation Image capture and data storage Image capture, review, save mechanism	Three levels of on-screen IR blending displated by the point temperature alarm (User selectable) 60 seconds maximum recording time per image; reconstruction of the period of the perio	viewable playback on imager I image capture, review, and save of t 1200 fully radiometric (.is2) IR an 1000 jpeg (.jpeg) images; transferrat Non-radiometr	100 % IR displayed in center of LCD	— — onds voice card reader
Full screen infrared Color alarms (temperature alarms) Voice Annotation Voice annotation Image capture and data storage Image capture, review, save mechanism Storage medium File formats	Three levels of on-screen IR blending disple Dew point temperature alarm (User selectable) 60 seconds maximum recording time per image; re One-handec SD Memory Card (2 GB memory card will store at leas annotations, or 3000 basic bitmap (.bmp) images, or 30 Non-radiometric (.bmp) or (.jpeg) or fully-radiometric (.is2) No analysis software required for non-radiometric (.bmp and .jpeg) files	viewable playback on imager I image capture, review, and save of t1200 fully radiometric (.is2) IR and 2000 jpeg (.jpeg) images; transferration Non-radiometric No analysis software	100 % IR displayed in center of LCD	— — onds voice card reader
Full screen infrared Color alarms (temperature alarms) Voice Annotation Voice annotation Image capture and data storage Image capture, review, save mechanism Storage medium File formats Export file formats w/ SmartView® software	Three levels of on-screen IR blending displated by the point temperature alarm (User selectable) 60 seconds maximum recording time per image; resulting time per image; resul	viewable playback on imager I image capture, review, and save of t 1200 fully radiometric (.is2) IR an 1000 jpeg (.jpeg) images; transferrat Non-radiometr No analysis software PE, JFIF, BMP, GIF, DIB, PNG, TIF	apability d linked visual images each with 60 secole to PC via included multi-format USB (c (.bmp) or fully-radiometric (.bmp) files and TIFF	— — onds voice card reader
Full screen infrared Color alarms (temperature alarms) Voice Annotation Voice annotation Image capture and data storage Image capture, review, save mechanism Storage medium File formats Export file formats w/ SmartView® software Memory review	Three levels of on-screen IR blending disple Dew point temperature alarm (User selectable) 60 seconds maximum recording time per image; re One-handec SD Memory Card (2 GB memory card will store at leas annotations, or 3000 basic bitmap (.bmp) images, or 30 Non-radiometric (.bmp) or (.jpeg) or fully-radiometric (.is2) No analysis software required for non-radiometric (.bmp and .jpeg) files	viewable playback on imager I image capture, review, and save of t 1200 fully radiometric (.is2) IR an 1000 jpeg (.jpeg) images; transferrat Non-radiometr No analysis software PE, JFIF, BMP, GIF, DIB, PNG, TIF	100 % IR displayed in center of LCD	— — onds voice card reader
Full screen infrared Color alarms (temperature alarms) Voice Annotation Voice annotation Image capture and data storage Image capture, review, save mechanism Storage medium File formats Export file formats w/ SmartView® software Memory review Software controls and adjustments	Three levels of on-screen IR blending displated by the point temperature alarm (User selectable) 60 seconds maximum recording time per image; resulting time per image; resul	viewable playback on imager I image capture, review, and save of the 1200 fully radiometric (.is2) IR and 1200 jpeg (.jpeg) images; transferration-radiometric No analysis software PE, JFIF, BMP, GIF, DIB, PNG, TIF Sequential	100 % IR displayed in center of LCD	— — onds voice card reader
Full screen infrared Color alarms (temperature alarms) Voice Annotation Voice annotation Image capture and data storage Image capture, review, save mechanism Storage medium File formats Export file formats w/ SmartView® software Memory review Software controls and adjustments Language selection	Three levels of on-screen IR blending displated by the point temperature alarm (User selectable) 60 seconds maximum recording time per image; reconstruction of the	viewable playback on imager I image capture, review, and save of the 1200 fully radiometric (.is2) IR an 1000 jpeg (.jpeg) images; transferrat Non-radiometr No analysis software PE, JFIF, BMP, GIF, DIB, PNG, TIF Sequentia Italian, Swedish, Finnish, Russiar ditional Chinese, Korean, Japanese	apability d linked visual images each with 60 secole to PC via included multi-format USB of the composition of fully-radiometric (.is2) required for non-radiometric (.bmp) files and TIFF image navigation and review , Czech, Polish, Turkish, Simplified Chine	— — onds voice card reader
Full screen infrared Color alarms (temperature alarms) Voice Annotation Voice annotation Image capture and data storage Image capture, review, save mechanism Storage medium File formats Export file formats w/ SmartView® software Memory review Software controls and adjustments Language selection Image controls	Three levels of on-screen IR blending displated by the point temperature alarm (User selectable) 60 seconds maximum recording time per image; reconstruction of the	viewable playback on imager I image capture, review, and save of the 1200 fully radiometric (.is2) IR and 1200 jpeg (.jpeg) images; transferrat Non-radiometr No analysis software PE, JFIF, BMP, GIF, DIB, PNG, TIF Sequential Italian, Swedish, Finnish, Russiar	apability d linked visual images each with 60 secole to PC via included multi-format USB of the composition of fully-radiometric (.is2) required for non-radiometric (.bmp) files and TIFF image navigation and review , Czech, Polish, Turkish, Simplified Chine	— — onds voice card reader
Full screen infrared Color alarms (temperature alarms) Voice Annotation Voice annotation Image capture and data storage Image capture, review, save mechanism Storage medium File formats Export file formats w/ SmartView® software Memory review Software controls and adjustments Language selection Image controls Power	Three levels of on-screen IR blending displated by Dew point temperature alarm (User selectable) 60 seconds maximum recording time per image; resulting time per image; resul	viewable playback on imager I image capture, review, and save of the transferration of	apability d linked visual images each with 60 secole to PC via included multi-format USB (c (.bmp) or fully-radiometric (.is2) required for non-radiometric (.bmp) files, and TIFF image navigation and review Czech, Polish, Turkish, Simplified Chine	— — onds voice card reader
Full screen infrared Color alarms (temperature alarms) Voice Annotation Voice annotation Image capture and data storage Image capture, review, save mechanism Storage medium File formats Export file formats w/ SmartView® software Memory review Software controls and adjustments Language selection Image controls	Three levels of on-screen IR blending displated by the point temperature alarm (User selectable) 60 seconds maximum recording time per image; reconstruction of the	viewable playback on imager Limage capture, review, and save of the 1200 fully radiometric (.is2) IR and 1200 jpeg (.jpeg) images; transferration-radiometric No analysis software PE, JFIF, BMP, GIF, DIB, PNG, TIF Sequentia, Italian, Swedish, Finnish, Russiar ditional Chinese, Korean, Japanese oth auto scaling and manual scalin Internal recharge.	apability d linked visual images each with 60 secole to PC via included multi-format USB of the composition of fully-radiometric (.is2) required for non-radiometric (.bmp) files and TIFF image navigation and review , Czech, Polish, Turkish, Simplified Chine	— — onds voice card reader
Full screen infrared Color alarms (temperature alarms) Voice Annotation Voice annotation Image capture and data storage Image capture, review, save mechanism Storage medium File formats Export file formats w/ SmartView® software Memory review Software controls and adjustments Language selection Image controls Power Battery type	Three levels of on-screen IR blending displated by the point temperature alarm (User selectable) 60 seconds maximum recording time per image; resulting time per image; resul	viewable playback on imager I image capture, review, and save of the 1200 fully radiometric (is2) IR and 1200 jpeg (jpeg) images; transferrat Non-radiometr No analysis software PE, JFIF, BMP, GIF, DIB, PNG, TIF Sequential, Italian, Swedish, Finnish, Russiar dittional Chinese, Korean, Japanese oth auto scaling and manual scalin Internal reche 3 to 4 h	apability d linked visual images each with 60 secole to PC via included multi-format USB (c (.bmp) or fully-radiometric (.is2) required for non-radiometric (.bmp) files, and TIFF image navigation and review , Czech, Polish, Turkish, Simplified Chine	onds voice card reader
Full screen infrared Color alarms (temperature alarms) Voice Annotation Voice annotation Image capture and data storage Image capture, review, save mechanism Storage medium File formats Export file formats w/ SmartView® software Memory review Software controls and adjustments Language selection Image controls Power Battery type Battery operating time Battery charging AC operation	Three levels of on-screen IR blending displated by the point temperature alarm (User selectable) 60 seconds maximum recording time per image; respectively. One-handed SD Memory Card (2 GB memory card will store at least annotations, or 3000 basic bitmap (.bmp) images, or 30 Non-radiometric (.bmp) or (.jpeg) or fully-radiometric (.is2) No analysis software required for non-radiometric (.bmp and .jpeg) files JPEG, JPG, J Thumbnail view navigation and review selection English, German, French, Spanish, Portuguese Tract Smo Two replaceable rechargeable battery packs (Lithium ion) 4+ hours per battery pack Two-bay AC battery charger AC ad	viewable playback on imager I image capture, review, and save of the 1200 fully radiometric (is2) IR and 1200 jpeg (ipeg) images; transferration-radiometric Non-radiometric	apability d linked visual images each with 60 secole to PC via included multi-format USB (ic (.bmp) or fully-radiometric (.is2) required for non-radiometric (.bmp) files image navigation and review , Czech, Polish,Turkish, Simplified Chine g argeable battery NiMh (included) ours continuous operation ic car charger (charges battery while open	onds voice card reader
Full screen infrared Color alarms (temperature alarms) Voice Annotation Voice Annotation Image capture and data storage Image capture, review, save mechanism Storage medium File formats Export file formats w/ SmartView® software Memory review Software controls and adjustments Language selection Image controls Power Battery type Battery operating time Battery charging AC operation Power saving	Three levels of on-screen IR blending displated by the point temperature alarm (User selectable) 60 seconds maximum recording time per image; respectively. One-handed SD Memory Card (2 GB memory card will store at least annotations, or 3000 basic bitmap (.bmp) images, or 30 Non-radiometric (.bmp) or (.jpeg) or fully-radiometric (.is2) No analysis software required for non-radiometric (.bmp and .jpeg) files JPEG, JPG, J Thumbnail view navigation and review selection English, German, French, Spanish, Portuguese Tract Smo Two replaceable rechargeable battery packs (Lithium ion) 4+ hours per battery pack Two-bay AC battery charger AC ad	viewable playback on imager I image capture, review, and save of the 1200 fully radiometric (is2) IR and 1200 jpeg (jpeg) images; transferration-radiometric Non-radiometric Nonallysis software PE, JFIF, BMP, GIF, DIB, PNG, TIF Sequential Sequential Sequential Sequential Internal rechange of the 12 hours with ac charger or of 2 hours with ac charger or of the 12 hours with account with a charger or of the 12 hours with account with	apability d linked visual images each with 60 secole to PC via included multi-format USB (ic (.bmp) or fully-radiometric (.is2) required for non-radiometric (.bmp) files image navigation and review , Czech, Polish,Turkish, Simplified Chine g argeable battery NiMh (included) ours continuous operation ic car charger (charges battery while open	onds voice card reader
Full screen infrared Color alarms (temperature alarms) Voice Annotation Voice Annotation Image capture and data storage Image capture, review, save mechanism Storage medium File formats Export file formats w/ SmartView® software Memory review Software controls and adjustments Language selection Image controls Power Battery type Battery type Battery charging AC operation Power saving Environmental and mechanical design	Three levels of on-screen IR blending displated by the point temperature alarm (User selectable) 60 seconds maximum recording time per image; respectively. One-handed SD Memory Card (2 GB memory card will store at least annotations, or 3000 basic bitmap (.bmp) images, or 30 Non-radiometric (.bmp) or (.jpeg) or fully-radiometric (.is2) No analysis software required for non-radiometric (.bmp and .jpeg) files JPEG, JPG, J Thumbnail view navigation and review selection English, German, French, Spanish, Portuguese Tract Smo Two replaceable rechargeable battery packs (Lithium ion) 4+ hours per battery pack Two-bay AC battery charger AC ad	ayed in center of LCD viewable playback on imager I image capture, review, and save of the save of t	apability d linked visual images each with 60 secole to PC via included multi-format USB (ic (.bmp) or fully-radiometric (.is2) required for non-radiometric (.bmp) files image navigation and review , Czech, Polish,Turkish, Simplified Chine g argeable battery NiMh (included) ours continuous operation ic car charger (charges battery while open	onds voice card reader
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Thermal imaging accessories





Everything you need to get started is included:

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- SmartView® analysis and reporting software
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- Multi-function Memory Card Reader for downloading images into your computer
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- AC charger/power supply Note: Included accessories vary by model.

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