



# HOTSHOT<sup>XL</sup>



## The Next Generation Infrared Camera.

HotShot XL is a totally new class of infrared camera that is simple to use, comfortable to hold and produces outstanding image quality. The HotShot now features an integrated mega-pixel flash camera that makes it easy to capture both high-quality thermal and visual images simultaneously. Weighing only 1.8 lb, HotShot's ergonomic camera body and unique articulating "IR Eyeball" makes it easy to image objects at floor level, at normal belt level and overhead, while maintaining a comfortable wrist position and optimal display viewing angle. The camera's motorized focus lens, control joystick and image capture button make HotShot a truly one-hand-operation camera. The rugged mini-tablet design and sunlight-readable touchscreen facilitates the camera's data logging functionality that greatly simplifies inspections and report generation.

HotShot XL features a comprehensive set of measurement tools including up to 5 spot meters, area, profile and isotherm. HotShot is accurate ( $\pm 2\%$ ) and measures temperature up to 350°C. The camera captures 12-bit radiometric images for post analysis in either the camera or at your PC. Options include a 3X telephoto lens, a wide-angle lens, report and analysis software.

Visible camera output shown in picture-in-picture mode (1 of 4 modes available)



### Easy To Use

HotShot's intuitive user interface, joystick control and icon menu enables anyone to pick up the camera and be productive quickly.

### Ergonomic Design

The first time you hold HotShot you'll feel the difference. Its design represents a major advance in comfort and usability.

### Feature Rich, Priced Right

From its advanced analysis tool set to its unique data logging capability to the wide range of current and future options, HotShot is a high-end system with a smart price.

### Integrated Visible Camera

HotShot's plug-in camera features a megapixel resolution and a built-in flash.

### Rugged

Qualified in extreme shock and vibration tests, HotShot is constructed of a super tough plastic that won't shatter.

### Lightweight

HotShot weighs in at only 1.8 lb. Competitive systems weigh up to 3 times more.

### Long Battery Life

HotShot runs for up to 4 hours on a single battery. Standard batteries deliver cost savings to you.

## HotShot's PocketIR<sup>®</sup> Software Simplifies Infrared Inspections

HotShot is so intuitive to use that a new user can pick one up and begin using the camera within just a few minutes of familiarization. PocketIR, HotShot's in-camera software application, features an icon-based menu that at a single glance, allows you to see nearly all the camera controls. The main screen features a logical display of temperature readouts, status indicators of battery level and large, easy-to-press function buttons.

After completing your inspection simply use ActiveSync<sup>®</sup> to download all your data to ReportIR<sup>™</sup>, our powerful temperature analysis and report generation software application.

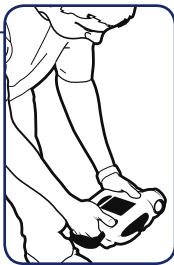


## ERGONOMIC DESIGN

### View Objects at All Different Levels

#### Floor Level<sup>1</sup>

Only HotShot keeps you comfortable whether you crouch to maintain a perpendicular view or stand upright and rotate the IR eyeball down to view objects at floor level.



#### Strike Zone<sup>1</sup>

(belt level)

Every user has a different preference about holding tools. HotShot's infinite position IR eyeball enables you to hold the camera in the most comfortable position for you first and then rotate the camera to point at the object.



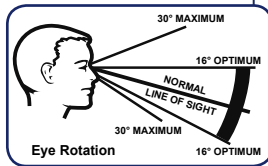
#### Overhead<sup>1</sup>

When viewing overhead objects HotShot's articulating IR eyeball ensures that you maintain line of sight and optimal viewing angle and wrist position.



#### Viewing Angle<sup>2</sup>

While today's LCD displays feature improved viewing angle performance, LCD displays still work best when viewed perpendicular.



<sup>1</sup> Notice viewing angle and grip angle do not change over range of object viewing levels.

<sup>2</sup> Human Factors Specification Mil-Std 1472f

## STANDARD CONFIGURATION

HotShot XL	Hardside Carrying Case
Visible Camera	CF Card
Lithium-ion Battery (2)	PC Card Adapter
AC Adapter	Operating Manual
Battery Charger	

## ORDERING INFORMATION

Item	Description
914546	HotShot XL
914630	3X Telephoto Lens
914631	50° Wide Angle Lens
914643	ReportIR Multi-page Reporting Software

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## XL SPECIFICATIONS

Infrared Camera	
FoV / Min. Focal Distance	
Standard Lens	25°x 18° / 0.3m
Telephoto Lens (optional)	8°x 6° / 2m
Wide Angle (optional)	50°x 37° / 0.05m
Focus	Motorized
Uncooled Array Type	Advanced Microbolometer
Display Resolution	240x180 pixels
Resolution	2.7 mrad (25° lens) .91 mrad (8.7° lens) 5.4 mrad (50° lens)
Thermal Sensitivity	<0.1°C
Spectral Response	7.5 to 14 microns
Visible Camera	
Resolution	1.3 million pixels
Focus	Manual
Flash	Adjustable
Image Presentation	
Zoom	2X
Palettes	7: 4 color, 3 grayscale
Display	3.5" touchscreen LCD
Brightness	User selectable up to 100 nits
Range and Level Setting	Auto (2 modes) and manual
Measurement	
Object Range	-20°C to 350°C
Accuracy	±2% or ±2°C (whichever greater)
Spot Meters	5 (4 user-selectable placement)
Area	1 user-selectable placement Min/max and average
Profile	1 user-selectable placement
Correction Factors	Emissivity, background, ambient
Image Recording	
Recording Media	Internal memory 128MB or removable 128MB CF card
Internal Storage	>1000 images
Image Format	12-bit TIFF and JPEG
Image Download	CF card or USB cable
Environmental	
Operating Temperature Range	-5°C to 50°C
Storage Temperature	-40°C to 70°C
Enclosure Protection	IP-54, IEC 529
Shock	25G, IEC 68-2-29
Vibration	2G, IEC 68-2-6
Electrical	
Power	7.4V DC, <5W typical
Battery	Li-ion rechargeable camcorder type
Battery Operating Time	4 hours typical
AC Operation	AC adapter 100-260V AC, 50/60Hz
Physical	
Weight (including battery)	1.8 lb
Size	7" x 6" x 2.75" (177x150x69mm)
Tripod Mounting	Standard ¼", 20 TPI



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