

# Heat Spy ® Imager HSI250 **Thermal Imaging Camera**

# **Great Resolution for General Use!**



www.bestobell.com

The Heat Spy® Imager HSI250 is a handheld thermography camera ideally suited for variety of applications. The high resolution camera offers a superior 160 x 120 detector compared to the typical 80 x 60 detector units in this class.

This model is best for:

- Quick scans of electrical components in industrial plants.
- · Checking for overheating electric motor and pump bearing housings.
- Scans for home inspectors and real estate agents looking for energy leaks, missing insulation, water leaks, and overheating circuit breakers.
- · Quick scans of heating and AC ducts by HVAC service people, looking for duct joint leaks.
- · Scans by automotive technicians looking for clogged tubing in radiators, overheating water pump, alternator, and AC compressor bearings, overheating wheel bearings.
- Looking for even temperature distribution in AC and defroster outlets and many more.

## **HSI250 Key Functions**

Thermography: Device detects and displays real-time infrared temperature on the LCD screen.

**Data Storage:** Device stores individual captured images on an included 8GB Micro SD Card.

Image Displays: Live images and saved images can be displayed on the screen in thermal only.

Palettes: Device will display in two color and two black & white (grayscale) palettes.

Laser Pointer: To properly aim at the selected target of choice designated by the center of screen cursor.

### **HSI250 Specifications**

THERMAL MODULE	
Image Sensor	Uncooled focal plane array
Array Size / Image Resolution	160 × 120 array / 19,200 Pixels
Frame Rate	9 Hz
Pixel Pitch	17μm
Spectral Range	8μm to 14μm
NETD (Sensitivity)	< 40 mk (@ 25° C)
Field of View	37.5° x 28.5°
Focal Length	3.1 mm
IFOV (mrad)	5.48 mrad
Aperture	f/1.1
Fixed Focus	Minimum Focus Distance ≥ 150mm

Specifications continued on next page



## **HSI250 Key Features**

- 160 x 120 Resolution (Thermal)
- Display: 320 x 240 Resolution 2.4" LCD
- NETD < 40mk
- Built-In Rechargeable Li-ion Battery with up to 8 Hours Continuous Run Time Per Full Charge

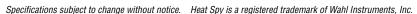












HSI250 Specifications continued		
IMAGE DISPLAY		
LCD Display Screen	320 × 240 Resolution 2.4" LCD Display	
Palettes	Black Hot, White Hot, Rainbow, Ironbow	
THERMOGRAPHY		
Rules/Measurement Points	Center Point Cursor, Moving / Seeking Max & Min Point Cursors	
Temperature Ranges	-4° to 302°F / -20° to 150°C / 253 to 423K Low Range & 212° to 1022°F / 100° to 550°C / 373 to 823K High Range	
Temperature Accuracy	± 2°C or ± 2%, whichever is greater	
Thermography Distance	D:S = 75:1	
BATTERY		
Battery Type	Built-In Rechargeable Lithium-ion Battery	
Battery Run Time	Eight Hours Continuous Running	
FUNCTIONS		
Aiming Laser	For Measuring Point Selection, Screen Aiming Point is Center Point Cursor	
Memory Storage	8GB Micro SD Memory Card included. Will Accept Higher Level Memory Cards	
Individual Images	Thermal Only, With Three Temperatures, JPEG format	
Language	English	
GENERAL		
Power	3.7 VDC / 0.4 A (charging via USB with battery in Imager)	
Power Consumption	Less than 1.2 W	
Hardware Interface	Through Micro USB	
Ambient Working Temperature	14° to 122° F (-10° to 50° C)	
Protection Level	IP54	
Drop Test Height	2 Meters (6.56 ft)	
Dimensions	7.7" x 4.6" x 2.3" (195 mm x 117 mm x 59 mm)	
Weight	Approximately 0.77 lb (0.35 kg)	
Included Accessories	Foam-Lined Storage Box; Built-in Rechargeable Lithium-Ion Battery; Battery Charger with Worldwide Plug Adapters; 8GB Micro SD Memory Card and USB Adapter; USB Cable; Wrist Strap and User Manual (Expanded User Manual available as Download)	
Optional Accessories	Black Soft Zippered Pouch with D-ring/Belt Clip and Logo Carabiner, Top: 5.5" (139.7mm), Bottom: 3" (76.2mm), Long: 9.6" (243.84mm); Logo Neck Strap, 3/4" (19.05mm) Wide, 36" (914.4mm) Long with Detachable Connection Loop.	

### **Optional Accessories:**

### **Zippered Pouch with Logo Carabiner**

Keep your HSI250 handy with our black canvas carrying case which includes a D-ring belt clip and Wahl Heat Spy logo carabiner. Easily clips on your belt or anywhere else.

This durable zippered pouch fits the HSI250 and other model thermal imagers or infrareds.

Dimensions: Top: 5.5" (139.7mm), Bottom: 3" (76.2mm), Long: 9.6" (243.84mm)

12449-37 Zippered Pouch with Wahl Logo Carabiner











### Wahl Logo Neck Strap

Another handy option is the Wahl Logo Neck Strap with Detachable Connection Loop. Keep your camera ready all the time.

Dimensions: 3/4" (19.05mm) Wide, 36" (914.4mm) Long.





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Specifications subject to change without notice.