HeatSeeker® Thermal Imagers

IDEAL

- ■ *Troubleshoot potential problems quickly*
- ■ *Auto hot/cold tracker*
- ■ *Image blending of thermal and digital*
- ■ *Picture-in-picture*
- ■ *Large widescreen display*
- ■ *Mark images with text and voice annotation*
- ■ *Sequence image recording*

Adjustable blended view for ease of use

Vision. Performance. Service.

Troubleshoot and identify potential problems before they happen with the *IDEAL HeatSeeker® Thermal Imagers*. What makes HeatSeeker® so useful are the dual cursors that instantly locate the hottest and coldest temperatures on a live screen, and the camera's ability to blend a thermal image on top of a digital image for easy on-the-job decision making. The HeatSeeker® Thermal Imager's easy set-up and operation make it a cost-effective tool for electrical service, industrial maintenance, building inspection and data center mapping.

Features

- Blended thermal/ digital image
- Picture-in-picture
- Thermal burn-through above/ below threshold set
- Hottest/coldest temperatures displayed instantly on live screen
- Mark images with text and voice annotation
- Sequence image recording up to every hour or by alarm settings
- IP54 rated to resist dust and water
- Built-in LED illuminator

- Withstands a six foot (2m) drop
- Laser Pointer
- High and low temperature alarms
- Adjustable emissivity for maximum accuracy
- Accuracy of +/- 2°C or ±2%
- Multilingual – Nine languages included
- Long battery life
- Tripod mountable
- Carrying case included
- ThermalVision™ PC software included
- Automatic report generator
- 2-year warranty

61-848
320 x 240

61-846
160 x 120

Removable battery
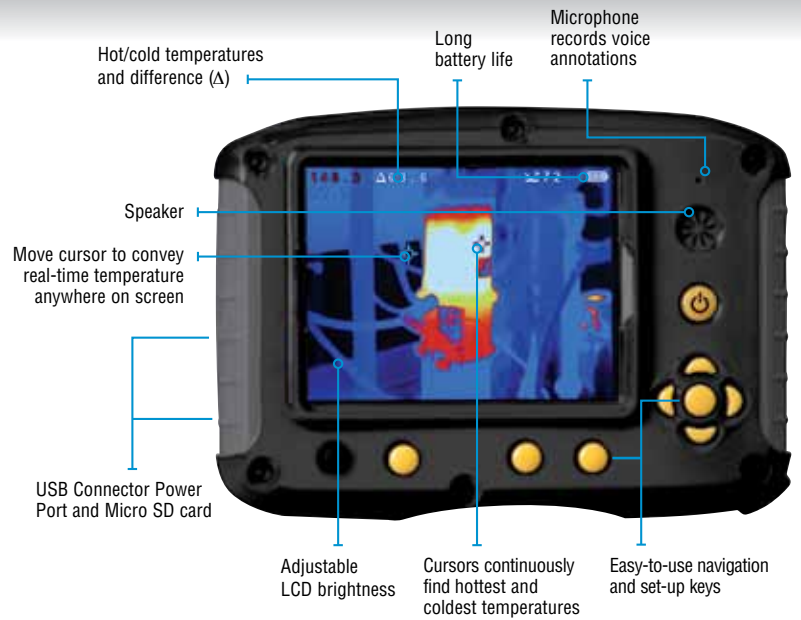
61-844
47 x 47

Removable handle

Side door allows quick access to headphone, USB connection, and removable Micro SD card

HeatSeeker® Thermal Imaging Camera Specifications

Feature	HeatSeeker® (61-844)	HeatSeeker® 160 (61-846)	HeatSeeker® 320 (61-848)
Temperature Range	14°F to 662°F (-10°C to 350°C)	14°F to 1,832°F (-20°C to 900°C)	14°F to 482°F (-10°C to 250°C)
Temperature Accuracy	±2°C or ±2% of reading		
Emissivity Table	0.2 to 1.0 (adjustable)		
Cursors	Two-movable	Four-movable (with independent emissivity setting)	
Image Storage (2 GB micro SD card)	2000 Images		
Field of View	20° x 20°	10° x 15°	21.4° x 16°
Thermal Sensitivity (NETD) at Stated Target Temp	≤ 0.15°C at 30°C (150mK)	≤ 0.08°C at 23°C (80mK)	
Level & Span	Automatic & Manual Scaling		
Focal Plane Array	47 x 47 (2,209 pixels)	160 x 120 (19,200 pixels)	320 x 240 (76,800 Pixels)
Display	3.5" LCD		
Visible Light Camera Resolution	1.0 Megapixels	2.0 Megapixels	
Spectral Range	8µm to 12µm	8µm to 14µm	
Minimum Focus Distance	20in (50cm)	12 in (30cm)	
Spacial Resolution (IFOV)	7.4mRad	2.2mRad	1.17mRad
Image Palette	Ironbow, Rainbow, Isotherm, Hot Metal, High Contrast, Rainbow 16, Black Hot and White Hot		
Focus	Manual		
Battery Life	6 hours	5 hours	4 hours
Power	Internal rechargeable Li-ion battery	Field replaceable, rechargeable Li-ion battery	

LED light for working in dark environments

Class II Laser for view centering

Digital camera lens for visual image

Hot/cold temperatures and difference (Δ)

Speaker

Move cursor to convey real-time temperature anywhere on screen

USB Connector Power Port and Micro SD card

Long battery life

Microphone records voice annotations

Adjustable LCD brightness

Cursors continuously find hottest and coldest temperatures

Easy-to-use navigation and set-up keys

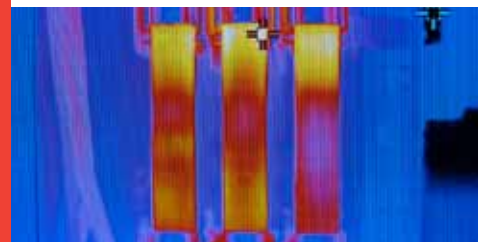## Adjustable Blended View for Ease of Use

The HeatSeeker® captures both a full infrared image and a visual photo. The thermal image can be overlaid on top of the visual image in various % blends, as picture-in-picture or *select the NEW Thermal Above/Below blending feature to scan in full visible mode. Thermal will burn through the image only at the precise areas of concern.*
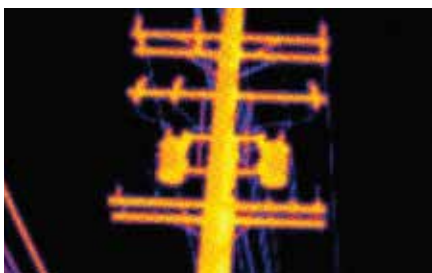

100% VISUAL

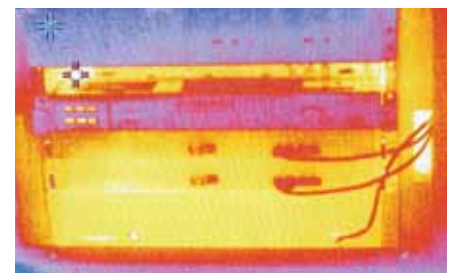*NEW!* THERMAL BURN THROUGH

100% THERMAL

Provides Real-time Analysis for:

Electrical Safety

Energy Efficiency

Data Center Thermal Mapping
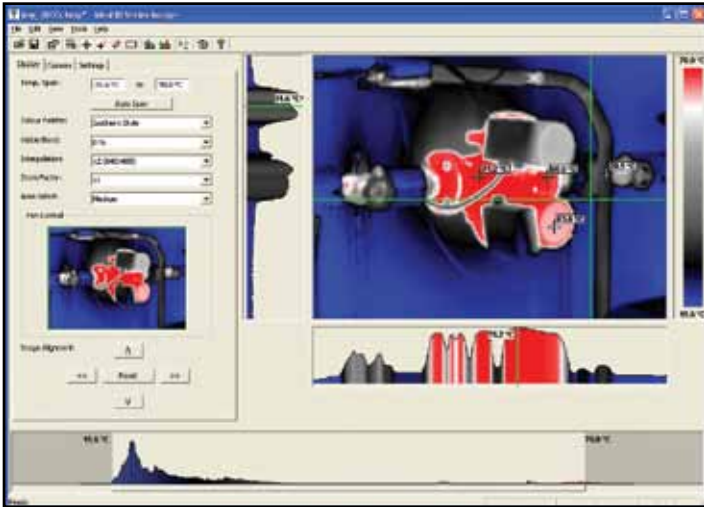

Preventive Maintenance

Building Maintenance

HeatSeeker®

IDEAL ®

ThermalVision™ PC Software Included

Easy-to-use software allows image download to PC for analysis.

Features

- View, edit and analyze images
- Automatic report generating capabilities
- Disk also includes user manual

61-846

Accessories

Includes	61-844	61-846 / 61-848
Removable Battery	—	61-846BAT
USB Cable	61-844USB	61-846USB
Camera Handle	61-844HAN	—
Carrying Case	61-844CC	61-844CC
Power Supply	61-844PS	61-848PS
ThermalVision™ Software	61-844SW	61-846SW
Optional	**61-844**	**61-846**
Light Shade	61-844LS	61-844LS
Car Charger	61-844CAR	61-848CAR
Desktop Charger	—	61-846DT
Hard Transport Case	61-846HC	61-846HC

For Level I Certified Infrared Training Information Visit:
www.idealheatseeker.com

TEquipment.NET USA

An Interworld Highway, LLC Company