

INTRODUCING the new Land Guide M4 thermal imaging camera

the smallest, lightest, and most advanced thermal imager in the world

■ **Powerful post-processing software**

Offering an extensive range of temperature measurement, image processing, and report generating functions, the easy to operate Windows-based software automates the process of reporting and archiving infrared images, improving the productivity and efficiency of thermographers and maintenance engineers.

■ **Precise thermal and visual imaging**

With a temperature measurement range of -20 to 250 °C/-4 to 482 °F and sensitivity of 0.12 °C/0.22 °F, the M4 detects extremely small temperature differences as high resolution, 8-bit thermal images. High quality digital images provided by the built-in visual camera further enhance the versatility of the imager.

■ **Multiple measurement modes**

Simultaneous four-spot and four-area analysis, line profile, isotherm analysis and electronic zoom function simplify the identification of potential problems.

■ **Auto indication of hot spot and the image centre**

A cursor automatically tracks and indicates the position and temperature of the hottest spot within the image. A second cursor in the image centre is used to indicate the temperature and provide a reference for inspection analysis.

■ **IR locator**

A built-in laser locator helps to accurately pinpoint hot spots.

■ **Audible and visible alarms**

An audible alarm automatically triggers when a temperature spot exceeds a preset value, or when the battery power is low.

■ **Large storage capacity**

1GB memory provides extensive recording and storage of complete radiometric images in the camera. Each file can comprise a thermal image, visual image and voice annotation.

NEW!

**THE SMALLEST PORTABLE
THERMAL CAMERA
AVAILABLE.**



KEY FEATURES

- Smallest portable thermal imager in the world
- Accurate temperature measurement
- Outstanding thermal image quality with digital x2 zoom
- Units available ex-stock for rapid despatch
- Built in visual and video camera to aid problem identification
- Built in laser locator to pin point problems
- Comprehensive on-board image processing
- Ultra light-weight at 0.265kg/9oz including battery
- On-board storage of 600 images
- Transfer of both thermal and visual images, and voice recording via USB
- Multiple battery charging options and AC adapter
- Long wavelength detector (ideal for outdoor applications)
- Post-processing software and report generator
- User configurable for °C or °F operation



LAND GUIDE M4 THERMAL IMAGING CAMERA

specifications-

Imaging Performance

Field of View: 25° x 19°
Min Focus Distance: 50mm/2in
Spatial Resolution (IFOV): 2.75 mrad

Thermal

Thermal Sensitivity: <120mk at 30°C/86°F at 50/60Hz
Electronic Zoom: x2
Focus: Manual
Detector: Uncooled FPA microbolometer (160 x 120 pixels)
Spectral Range: 8 to 14µm

Visual

Digital Video Camera: CMOS Sensor, 640 x 480 pixels, 16.7 million colours

Image Presentation

External Display: 2.2in TFT and 1.2in CSTN high resolution colour LCD
Video Output: PAL Composite Video

Measurement

Temperature Range: -20 to 250°C/-4 to 482°F
Accuracy (% of reading): ±2°C/4°F or ±2% of reading
Modes: Auto hot-spot trace, 4 moveable spots, 4 moveable areas (min, max, average), sound alarm, isotherm
Thermal Display Colour: Eight palettes available, 256 colours (8 bit)
Emissivity Adjustment: Variable 0.1 to 0.99 (0.01 increments)
Features: Automatic corrections based on user input for ambient temperature, distance, relative humidity, atmospheric transmission and external optics

Physical and Environmental

Dimensions: 120 x 60 x 30mm / 4.7 x 2.4 x 1.2in
Weight: 0.265kg/9oz (including battery)
Operating Temperature: -10 to 50°C/14 to 122°F
Storage Temperature: -20 to 60°C/-4 to 140°F
Humidity: Operating and storage, 10 to 95% non - condensing
Shock: Operational: 25G, IEC 68 -2 - 29
Vibration: Operational: 2G, IEC 68- 2 - 6

Physical and Environmental

Power: A field replaceable, rechargeable Li-ion battery
Over 2 hours continuous operation
System Status Indication: LCD display shows battery status, automatic alarm for power shortages, and time
Laser Locator: Class 2 semiconductor laser
Communication: USB 1.1; image (thermal and visual), measurement, voice and digital video transfer to PC
Image memory: Land Guide M4 comes with a built-in flash memory (1GB capacity)
File format is .img (an individual file comprises an infrared image, visual image and voice annotation if any)
Up to 30 seconds of voice annotation is available with each image

Continuous product development may make it necessary to change these details without notice.



LOW COST, HIGH PERFORMANCE

The new low cost, high performance Land Guide M4 thermal imager is robust, Ergonomically designed and easy to operate. It is the ideal choice for an ever-increasing variety of industrial thermal imaging applications. M4 provides a wide range of unique features and benefits enabling thermographers and plant engineers to operate more efficiently and economically than ever before. The compact design offers advanced features such as finger-tip controls, high quality thermal and visual images with voice annotation, on-board image processing, large capacity memory and versatile USB connectivity at an affordable price.



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