



V52

Infrared Camera

PREVENT
DOWNTIME

IMPROVE
EFFICIENCY

REDUCE
ENERGY COSTS

Thermo
COM
Thermography
Solutions



Highly Refined IR Thermography Camera
 Visual and thermal imaging
 Precision non-contact
 temperature measurement.

Features & Benefits

- Rugged, durable and easy to use
- Efficient thermal and visual imaging
- Precise reliable temperature measurement
- Fully onboard image processing
- Large capacity radiometric image storage
- Professional inspection and reporting software.
- License free and rapid delivery

Refined from powerful portable IR thermal camera Thermocom V52®, integrating high resolution visual camera, Thermocom V52® offers more robust performance and more reliable functionality at an affordable price as usual. Working with professional post-analysis software, Thermocom V52® greatly enhances efficiency and productivity of inspection programs. This is what professional thermographers really want.

Standard Configuration

- IR camera with visual camera, laser locator
- 40mm IR lens
- 4" LCD display
- 0.25" LCD viewfinder
- 256MB CF card and card reader
- Two rechargeable Li-ion batteries
- Battery charger
- AC adapter
- Video cable
- Communication protocol
- Post-analysis software
- User manual
- Carrying case

Imaging Performance

THERMAL

Detector type: Uncooled FPA microbolometer (320× 240 pixels, 45µm)
Spectral Range: 8-14µm
Field of View: 21°× 15°
Image Frequency: 50Hz PAL/ 60Hz NTSC, non-interlaced
Thermal Sensitivity: 0.08°C @ 86°F
Electronic Zoom: ×2, ×4 interpolating

VISUAL

Built-in Digital Video: CMOS Sensor, 640 x 480 pixels, 2²⁴ colors

Image Presentation

External Display: 4" high resolution color LCD (TFT)
Viewfinder: 0.25" built-in high resolution color LCD (TFT)
Video Output: PAL/ NTSC, composite video

Measurement

Temperature Range: -4 °F ~ 932°F (up to +2732°F optional)
Accuracy: ±1°C or ±1% of reading

Emissivity Correction: Variable from 0.01 to 1.00 (in 0.01 increment)



Type: **Image Storage** Removable 256MB compact flash memory card

File Format: IRI (An individual file consists of infrared image, visual image and voice annotation if any)

Voice Annotation: Variant for different files, from 8 up to 30 seconds per file

Classification Type: **Laser Locator** Class 2 semiconductor laser

Battery Type: **Power System** Rechargeable Li-ion Camcorder battery, field-replaceable
Battery Operating Time: Over 3 hours continuous operation

External Power Operation: AC adapter 110/ 220 VAC, 50/ 60Hz

Environmental Specification

Operating Temperature: -4°F- +140°F
Storage Temperature: -4°F- +140°F
Humidity: Operating and storing 10% to 95%, non-condensing

Encapsulation: IP54 IEC 529 housing
Shock: Operational: 25G, IEC 68-2-29
Vibration: Operational: 2G, IEC 68-2-6

Interfaces

Remote Control: RS232 serial communication
Live Video Transmission (optional): Up to 750m to a remote monitor

Physical Characteristics

Weight: 1.6Kg (including battery)
Size: 148mm×104mm× 108mm (Standard Model)
Tripod Mounting: 1/4"- 20



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