

**MobIR<sup>®</sup>M2**

**Bottommost-cost Full-featured IR Thermal Camera MobIR<sup>®</sup> M2**

**MobIR is a mobile-like IR camera<sup>®</sup>**



# MobIR<sup>®</sup> M2



## Bottommost-cost Full-featured IR Thermal Camera MobIR<sup>®</sup> M2

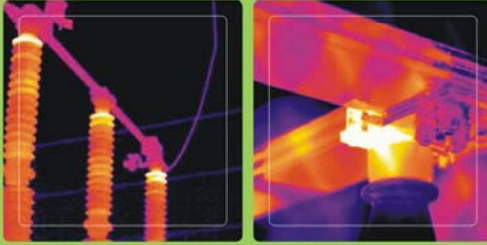
Featuring unique miniature architecture, razor-sharp image quality, precise fully radiometric measurement, point-and-shoot operation and reliable durability, the benchmark IR camera MobIR<sup>®</sup> M2 is another all-in-one system perfect for every level of thermography engineers from novice through to expert. Delivering more of everything you want in an IR camera at a price other full size cameras can never touch, no wonder it has proven your wisest selection out of all the low-cost IR cameras.

### Features & Benefits

- Minimized ownership cost
- Ultra-compact, robust & easiest to use
- Accurate radiometric temperature measurement
- Advanced on-board image processing
- Integrated alarming, hot-spot tracing & laser locating
- Digital image storage with voice recording
- Versatile fast USB connectivity
- Professional analysis & reporting software
- License free & rapid delivery



## Technical Specifications



### Imaging Performance

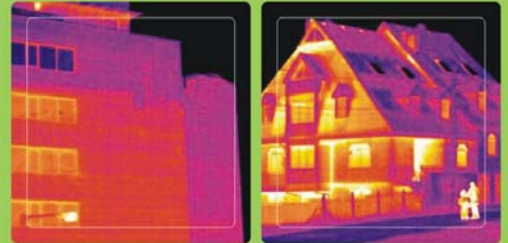
Detector Type: Focal plane array (FPA) uncooled microbolometer ; 120×120 pixels  
Spectral Range: 8 to 14 μ m  
Thermal Sensitivity: ≤120mk at 30℃  
Image Frequency: 50Hz PAL/60Hz NTSC, non-interlaced  
Field of View: 13.5° × 13.5°  
Electronic Zoom: ×2

### Image Presentation

External Display: 2.2" TFT & 1.2" CSTN high resolution color LCD  
Display Color: 256 level, 5 palettes  
Video Output: PAL/NTSC, composite video

### Measurement

Temperature Range: -20℃~ +250℃ (to be extended)  
Accuracy: ±2℃or ± 2% of reading  
Measurement Modes: Spot, area, isotherm, line profile, auto hot spot, auto alarm  
Emissivity Correction: Variable from 0.01 to 1.00 (in 0.01 increment)  
Measurement Features: Automatic correction based on user input for reflected ambient temperature, distance, relative humidity, atmospheric transmission and external optics

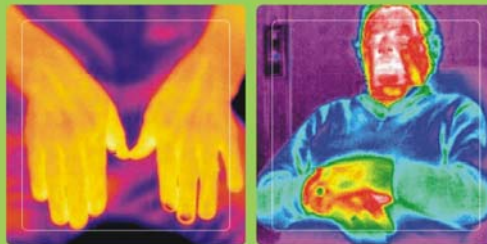


### Image Storage

Type: Built-in Flash memory  
Capacity: 100 images  
Voice Annotation: Variant for different files, up to 30 seconds per file

### System Status Indication

LCD Display: Display of battery status, indication of power  
Sound Alarm: Automatic alarm for power shortage



### Laser Locator

Classification: Class 2  
Type: Semiconductor AlGaInp Diode Laser; 1mW/635nm (red)

### **Battery System** .....

Type: Li-ion battery, rechargeable, field replaceable

Operating Time: Over 2 hours continuous operation

Charging System: In camera via USB interface from AC adapter(96- 250 VAC) or in battery charger

Power Dissipation: 2W

### **Environmental** .....

Operating Temperature: -20℃~+60℃

Storage Temperature: -20℃~+60℃

Humidity: Operating and storing 10% to 95%, non- condensing

Encapsulation: IP54

Shock: Operational:25G, IEC 68-2-29

Vibration: Operational:2G, IEC 68-2-6

### **Interfaces** .....

USB1.1: Image, measurement and digital video transfer to PC

### **Physical Characteristics** .....

Size: 120mm× 60mm× 30mm

Weight: 0.265kg (including battery)

# *Guide*

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