Guide

Guide Infrared, Infrared Guide

MobIR® is a mobile like infrared camera.

- Predictive and Preventative Maintenance
- Electricity Inspections
- Building Diagnostics
- Technical Diagnostics
- Veterinarian Helper
- Portable Law Enforcement

The **MobIR® M8**, representing a landmark of IR technology progress globally, is the latest innovation from Guide Infrared who always works with innovative emotion. Guide presents M8 enriching the features exclusively for high-end IR camera before. 50Hz refresh rate? 2Mpixels CMOS? Touch screen? Auto focus? IR video recording? Whatever you expect from a thermographic camera, M8 satisfies you by its compactness, ruggedization, accuracy, efficiency, reliability, and affordability.

Using **MobIR® M8**, easing your work!

MobIR® M8

MobIR® is a mobile like infrared camera.

ONE unprecedented design of mobile like infrared camera.

TWO exquisite outlines of double-covered and open-faced.

THREE perfect technology-combinations of optics, mechanics and electronics.

Rugged Design

Magnalium housing is far more robust and shock-resistant compared with other plastic ones; Intelligent built-in lens design delivers overall protection for the precise optics even if it was dropped to ground by accident; The unique AGT offers double protection to the sensitive optics and detectors in off and sleep mode; Optional silicon jacket lets every edge angle of the camera well protected.

Elegant Vision

With the practical and innovative design, the MobIR® M8 refreshes the traditional ideas on the infrared camera. It is a mobile like instrument, small in your palm intergrated with the advanced infrared technology.

AGT® - Auto Gate Technology

The innovative auto gate not only functions as shutter but also lens cap. Free from all disturbing heat radiation caused by the optics and electronics inside, the intelligent external shutter delivers the most crisp and uniform image presentation as well as the most stable and accurate temperature reading. At the same time, it closes automatically in sleep or off mode, providing double protection to the sensitive optics and detectors.

Unique Holding and Easy Operation

Continued the classical mobile like shape and the unique "bar phone" design, M8 is designed according to ergonomics for more comfortable operation. The palm-sized camera body and angle-adjustable LCD enable you to reach any harsh corner while the thermal abnormity finds nowhere to hide.

Live Video Recording

Recording live video on board or into PC via USB2.0 helps memorize continuous temperature change of the target, which is ideal for various stationary monitoring applications.

Auto Capture

Image will be auto captured in optional 15sec, 30sec, 60sec, and 5min interval setting if necessary. With this function, camera can be mounted on tripod for real time monitoring purpose.

Auto Focus for Both IR and Visual Image

The automatic focus function is unprecedentedly adopted in IR camera of 160x120 pixels.

Both clear infrared and visual image can be focused by simply pressing one button.

5 Modes of Operation

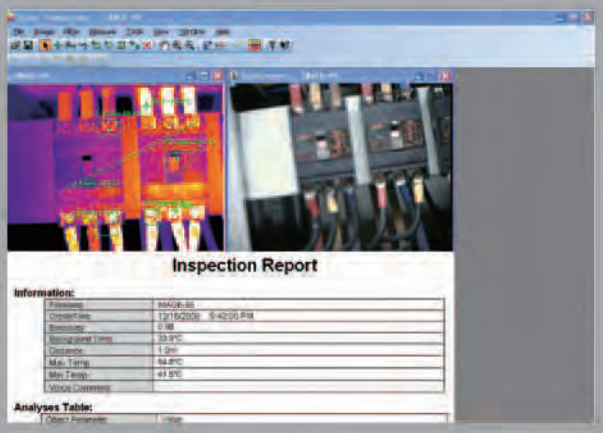
The button? The touch screen? The W/ T wheel? The USB2.0 interface or the infrared remote controller? You can choose whichever type you like. These 5 operation modes make you operate the camera easily and fast.

2.0 Megapixel CMOS

Integrated high-resolution CMOS delivers extremely crisp visual image, assistance of clearer and better fusion image, spotting potential problem exactly.

Infra Fusion Technology

Guide' s new Thermal Fusion Technology allows you to overlay the thermal image directly on the corresponding visual image. It would help you identify where the problem exactly is and give the solutions.



Touch Screen

The unique touch screen delivers more advanced and complicated analyses that buttons can never do. Besides the traditional fixed circle or rectangular, the touch pen leads you draw out any irregular outline that the thermal target covers, assisting you get the most uniform and accurate measurement.

Guide IrAnalyzer®

The Guide free software is with friendly interface and compatible with Microsoft's operating system. It enables you to store and analyse infrared images and videos. Many Advanced functions are included such as image processing, thermal fusion, all kinds of analyses, automatic report generation in either Microsoft Excel or Word, etc. The multi-language availability allows you to choose the most familiar language you use.

4 Hours Super Long Working Time

Super long working time ensures uninterrupted high efficient work, no worry about the inconvenience caused by low power any more.

Technical Specifications

	M8
Imaging Performance	
Thermal	
Detector Type	Microbolometer UFPA (160x120 pixels, 25μm)
Spectral Range	8-14μm
Field of View	20.6° X 15.5°
Focus	Automatic and motorised (thermal & visual)
Thermal Sensitivity	≤100mk at 30℃
Image Frequency	50HZ PAL/ 60HZ NTSC, non-interlaced
Electronic Zoom	X2
Palette	8
Visual	
Built-in Digital Video	CMOS Sensor, 1600x1200 pixels, 2^{24} true colors
Image Presentation	
External Display	2.5" TFT LCD with high resolution
Video Output	PAL/NTSC
Infra Fusion	Visual and IR blending
Man-Machine Communication	
Touch Screen	Angle adjustable
Button	Yes
USB2.0	Yes
W/ T Wheel	Yes
Infrared Remote Controller	Yes
Measurement	
Temperature Range	-20℃ to 250℃ (350℃ optional)
Accuracy	±2℃ or ±2% of reading
Measurement Modes	Auto hot & cold spot, auto alarm live/zoomed image & video; 4 movable spots, 4 movable and changeable areas displaying either max, min or average, line profile, histogram & isotherm band in live/frozen/saved image
Emissivity Correction	Variable from 0.01 to 1.00, on-screen emissivity correction available
Measurement Features	Automatic correction based on distance, relative humidity, atmospheric transmission and external optics
Optics Transmission Correction	Auto, based on signals from sensors
Image Storage	
Type	Removable 2GB Mini SD card & built-in memory
File Format	JPG with analysis records
Voice Annotation	Up to 60 seconds
Text Annotation	Selected from preset texts or Customized
Automatic Image Capture	Yes
Live Video Recording & Measurement & Storage	
Recording	Powerful recording up to 30 minutes in Mini SD card
Measurement	Automatic Max & Min temperature
Storage	In Mini SD card, built-in flash memory or PC
Optional Accessories	
Telephoto Lens	30mm FOV: 7.6° × 5.7°
Target Illuminator	Yes
Infrared Remote Controller	Yes
Sun Shield	Yes
Silicon Rubber Protecting Jacket	Yes
Tripod	Yes
Laser Locator	
Classification Type	Class 2 semiconductor laser
Power System	
Battery Type	Rechargeable Li-ion Camcorder battery, field-replaceable
Charging System	In camera or in battery charger
Battery Operating Time	4 hours continuous operation
External Power Operation	AC adapter 110/220VAC, 50/60Hz
Environment	
Operating Temperature	-10℃ to 60℃
Storage Temperature	-20℃ to 60℃
Humidity	Operating and storing 10% to 95%, non-condensing
Encapsulation	IP54 IEC 529 housing
Shock	Operational: 25G, IEC68-2-29
Vibration	Operational: 2G; IEC68-2-6
Interface	
USB2.0	Real-time image, video data transfer to PC and real-time control of the camera on PC
RS232 Communication	Control of camera on PC
Physical Characteristics	
Size	154mmx69mmx45mm
Weight	0.35KG (including battery) 0.27KG (excluding battery)