

## Guide-IR Canada - M8 Technical Specifications

### THERMAL IMAGING

Detector type:	Uncooled FPA microbolometer (160x 120 pixels, 25 µm)
Spectral Range:	8-14µm
Thermal Sensitivity:	≤100mk at 30°C
Field of View/ Focus:	20.6° X 15.5° with standard 11mm lens, also available wide angle and tele lens
Focus:	Automatic or motorized
Electronic Zoom:	X 2

### VISUAL / PHOTOGRAPHIC IMAGING (single & video)

Built-in Digital Video:	CMOS Sensor, 1600x1200 pixels, 2 <sup>24</sup> true colors
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### IMAGE PRESENTATION

External Display:	2.47" TFT LCD with high resolution
Video Output:	PAL/ NTSC
Infra Fusion:	Visual spectrum and IR spectrum blending (photograph and thermograph blending)

### CAMERA INSTRUCTIONS / INPUTS

a) Touch Screen:	Camera receives operator's instructions via touch screen
b) Buttons:	Camera receives instructions via push buttons
c) Menu:	Microsoft® Windows style; English and French

### MEASUREMENT CAPABILITIES

Temperature Range:	-20°C to 250°C (350°C & 1200°C optional)
Accuracy:	±2°C 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, 2 lines profile, histogram & isotherm band in live/frozen/saved image
Emissivity Correction:	Variable from 0.01 to 1.00 (in 0.01 increment)
Measurement Features:	Automatic correction based on distance, relative humidity, atmospheric transmission and external optics
Optical Transmission Correction:	Auto, based on signals from sensors

### IMAGE STORAGE

Type:	Removable 2GB Mini SD card & built-in memory OR direct to PC hard drive
File Format:	JPG with analysis records
Voice Annotation:	Up to 60 seconds
Text Annotation:	Selected from preset texts or customized text

### LIVE VIDEO PROCESSING AND IMAGE STORAGE

Video Recording:	Powerful recording up to 30 minutes in Mini SD card Thermal video recording transferred direct to PC via USB2.0, capacity dependent on PC hard disk capacity.
Measurement:	Automatic Max & Min temperature
Storage:	In Mini SD card or direct to PC hard drive

### LASER LOCATER

Classification Type:	Class 2 semiconductor laser
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### POWER SYSTEM

Battery Type:	Rechargeable Li-ion Camcorder battery, field-replaceable
Charging System:	In camera or in battery charger
Battery Operating Time:	Over 4 hours continuous operation
External Power Operation:	AC adapter 110/ 220 VAC, 50/ 60Hz



GUIDE-IR Canada

Thermal Imaging Innovation



Truly Mobile **M8**



Consulting

Sales

Dealerships

Support



**GUIDE-IR Canada**

Thermal Imaging Leaders  
A ZeeTee Corp. Agency

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### IR IMAGING SOLUTIONS

- ELECTRICAL (PREDICTIVE MAINTENANCE & DIAGNOSTIC)
- HOMES & LARGE STRUCTURES
- ELECTRONIC ENGINEERING AND RESEARCH (CLOSEUP, SENSITIVITY & EMISSIVITY SETTINGS)
- VETINARY & MEDICAL (ACCURACY + 50/60 HZ)
- PETRO-CHEMICAL INDUSTRY (LENSES (FOV), MOBILITY & RANGE)



## Technology at work for you

**GUIDE-IR'S PHILOSOPHY IS TO INCORPORATE AND INNOVATE TECHNOLOGY TO ADD BENEFITS FOR THE USER – NEVER ONLY FOR THE SAKE OF TECHNOLOGY ALONE**

The new M8, launched mid 2010, outstrips the competition by exceeding the standards of the Canadian National Master Construction Specification (NMS) for professional thermographic equipment specified for use by consultants and professionals.

Professionals can now utilize all of the image-in-image (photo overlaid by IR image) fusion capability, video with optional direct link to laptop, voice annotation, touch screen, remote control, software control of the device – all in only ONE camera that fits in a pocket!

Your M8 can be instructed by means of the touch screen or the intuitive buttons or via the extensive menu system to maximize in-camera processing and analysis of images.

Accompanied by an extensive (100 page) manual, online camera training and intuitive software, you will be an expert thermographer in no time. We offer superb after sales service and the best value for money on the market.

## flexible solutions for your imaging needs

**AT GUIDE-IR CANADA COMPACT DOES NOT MEAN FRAGILE – WE BUILT TOUGH AND INTELLIGENT INSTRUMENTS**

Environmental Specifications	
Operating Temperature:	0°C to 50°C (-10°C optional)
Storage Temperature:	-20°C to 60°C
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



*“\$ for \$ we outspec the competition by miles”*

Latest design updates of mid 2010 shown above brought many new benefits to the already popular M-series. The new M8 raised the bar once again and assures Guide-IR's leading position way ahead of the competition.



**REMOTE CONTROL & DIRECT LINK TO PC & PC SOFTWARE CONTROLLED**



### CUSTOM SOLUTIONS

Prepared for any eventuality the M8 can be mounted on a tripod, expanded with optional lenses, and be remote controlled



### AUTO GATE TECHNOLOGY®

AGT is another Guide-IR patented innovation that not only protects your lens but shuts out dust and infrared interference, making the camera blackbody a superior scientific instrument



### NOT LCD BUT TOUCH SCREEN TFT WITH VIEW ANGLE ADJUSTMENT

Enables clear screen image views in sunlight, while tripod mounted, and of course it fits in your pocket.

**OUR RANGE OF SUPERIOR TECHNOLOGY INFRARED IMAGING EQUIPMENT & CONSULTING SERVICES PROVIDE A TOTAL END**

### SOFTWARE

Guide IrAnalyser® software has been under continuous development to provide an easy to use Windows-style interface for rapid report generation.



Delivering expert reports and presentations have just become easier and quicker.

Guide IrAnalyser® makes scientific and expert image analysis a snap with its many functions and multiple spot measurement capabilities.

- 9 pallets
- Tmin & Tmax settings
- Camera control
- Video capture & manipulation
- Scientific analysis of thermal images.
- Report writing.
- Control and set capture rendering settings to maximize results.

See [www.Guide-IR/thermal-images](http://www.Guide-IR/thermal-images) for examples