

### Highly Refined IR Thermographic Camera

GUIDIR® IR928+



Compact and durable, sophisticated yet simple, IR928+ is high performance-cost ratio portable infrared thermal camera available today. With high accuracy, intelligent processing, this fully featured  $384 \times 288$  microbolometer IR camera provides professional thermographers with unprecedented efficiency and convenience at an incredible low cost. Complemented by post analysis software, IR928+ acquires extensive capability of analyzing, reporting and archiving both image and voice in a flash.

#### Applications

- Predictive and preventative maintenance
- Electricity inspections
- Building diagnostics
- Technical diagnostics
- Veterinarian helper

#### Features and Benefits

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







IR928+	
Imaging Performance	
Detector Type	Microbolometer UFPA 384 x 288 pixels, 35 $\mu$ m/25 $\mu$ m
Spectral Range	8-14 $\mu$ m
Field of View/Focus	14° x 10° /40mm
Thermal Sensitivity	$\leq 0.08^{\circ}\text{C}$ at 30 $^{\circ}\text{C}$
Visual	
Built-in Digital Video:	CMOS Sensor, 640 x 480 pixels, 2 <sup>24</sup> colors
Image Presentation	
External Display	4" high resolution color LCD(TFT)
Viewfinder	0.25" built-in high resolution color LCD(TFT)
Video Output	PAN/NTSC, composite video
Measurement	
Temperature Rang	-20 $^{\circ}\text{C}$ ~+500 $^{\circ}\text{C}$ (up to +1500 $^{\circ}\text{C}$ optional)
Accuracy	$\pm 2^{\circ}\text{C}$ or $\pm 2\%$ of reading
Measurement Modes	Auto hot-spot trace, 4 moveable spots, 4 moveable areas (min, max, mean), sound alarm, isotherm, line profile
Image Storage	
Type	Removable 256MB Compact Flash Memory Card
Voice Annotation	60 seconds per image
Laser Locator	
Classification	Class 2 semiconductor laser
Power System	
Battery Type	Rechargeable Li-ion battery, field replaceable
External Power Operation	AC adapter 110/220VAC, 50/60Hz
Environmental Specification	
Operating Temperature	-20 $^{\circ}\text{C}$ -+60 $^{\circ}\text{C}$
Storage Temperature	-20 $^{\circ}\text{C}$ -+60 $^{\circ}\text{C}$
Interfaces	
Remote Control	RS232 serial communication
Physical Characteristics	
Size	148mm x 104mm x 108mm (standard model)
Weight	1.6kg (including battery)