



Thermal Imaging Camera

For Medical Application

Technical Specifications:

Detector Data	
Detector type	Focal plane array(FPA), uncooled Microbolometer
IR resolution	160 x 120 pixels
Pixel pitch	25 μ m
Spectral range	8-14 μ m
Imaging and Optical Data	
Field of view (FOV)	18° × 13.5° /0.15m
Spatial resolution (IFOV)	1.4mrad (18° × 13.5°)
Thermal sensitivity	100mk at 30°C
Image frequency	50/60Hz
Focus	Manual
Image Presentation	
Display	3.5" color LCD
Measurement	
Temperature range	20°C ~ +50°C
Accuracy	±0.6°C
Measurement spot	1 moveable spot
Measurement area	Automatically capture maximum temperature
Line profile	Random line profile
Isotherms analysis	Yes
High temperature alarm	Voice and color
Emissivity correction	Adjustable from 0.01 to 1.0
Temperature correction	Auto
Image Storage	
Storage card	Build-in flash card, up to 1500 images
File formats	Standard JPG, 14 bit measurement data included.
Voice comments	40s digital voice record voice, stored with per image via built-in microphone
Laser Indication	
Classification type	Class 2, 1mW/635nm Red
Power System	
Battery type	Rechargeable Li-ion battery
Battery operating time	Approx. 3 hours
Power saving	User defined
Power operation	7-9V DC
Environment Data	
Operating temperature range	-20°C - +50°C
Storage temperature range	-40°C - +70°C
Humidity	≦ 90%(non-condensing)
IP rating	IP54 IEC529
Shock test	25G IEC68-2-29
Vibration test	2G IEC68-2-26
Physical Data	
Size	330mm x 95mm x 86mm
Weight	650g
Tripod mounting	1/4 " -20
Interface	
External DC input	Yes
Audio output	Yes
Video output	PAL/NTSC
PC	USB
Camera Includes	
Standard	Thermal imaging Camera with 18° standard lens, 2 Li-ion batteries, charger, adaptor, Video cable, VGA cable, USB, software CD, instruction, warranty card, professional tool box.
Optional accessories	12V car charger, tripod, Li-ion battery