

<http://www.irtek-temp.com/>

IRtek International

Ti384



DETECTOR CHARACTERISTIC

Detector type : Uncooled FPA microbolometer
 Array size : 384x288pixels

IMAGE CHARACTERISTICS

Field of view : 25° x 19°
 Min. focus distance : 0.1m
 Spatial resolution (IFOV) : 1.37mrad
 Thermal sensitivity : $\pm 0.06^{\circ}\text{C}@30^{\circ}\text{C}$
 Image frame rate : 50/60Hz
 Focus : Manual
 Zoom : x2
 Spectral range : 8 ~ 14 μm
 Built-in CCD camera : 1.3 million pixels, CMOS camera module

IMAGE DISPLAY

LCD Display : 2.7" TFT LCD (320x240pixels)

MEASUREMENT

Temperature range : -20 ~ 600 $^{\circ}\text{C}$
 Accuracy : $\pm 2^{\circ}\text{C}$ or $\pm 2\%$ of reading whichever is greater
 Measurement correction : automatic / manual
 Measurement mode : up to 4 movable spots, up to 3 movable areas (max., min., & average temp.), up to 2 movable lines, line profil, isotherms, temperature difference, alarm (voice, color)
 Colour palette : 11 palettes changeable
 Image adjustment : auto / manual gain / brightness
 Setup function : date/time, temperature unit, language

Emissivity	:	0.01 ~ 1.00
Measurement features	:	automatic correction based of data input of distance, humidity, & ambient temperature
IMAGE STORAGE		
Storage	:	SD card, max. 16GB
Storage mode	:	manual / auto single file saving, IR and visual image link saving thermal : JPEG with original thermal measurement data included visual : JPEG
File format	:	a built-in microphone up to 60 seconds of digital voice clip with each cared thermal imaging
Voice annotation	:	
LASER POINTER		
Laser locator	:	class 2, 1mW/635nm (red), IEC 60 285
POWER SOURCE		
Battery type	:	Li-ion, rechargeable
Battery operating time	:	3 hours continuous operation
Battery charging mode	:	Intelligent charger or power adaptor 12V (optional) to random charge
Power saving	:	auto dormancy and auto shut down
External power	:	10 ~ 15V DC
ENVIRONMENT		
Operating temperature	:	-15 ~ 50°C
Humidity	:	90% non-condensing
Encapsulation	:	IP54
Drop resistant	:	2m
PHYSICAL CHARACTERISTIC		
Weight	:	1kg
Dimension	:	105 x 245 x 230mm
INTERFACE		
Interface	:	Micro SD card slot, external DC input, video output, USB

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[Vendor Information](#)