



InfraredThermal.com

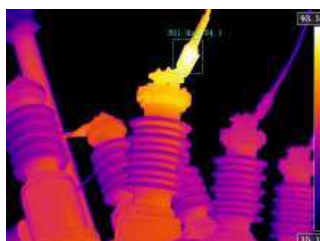
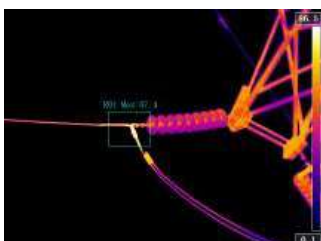
INFRARED AND THERMAL INSTRUMENTS

HANDHELD THERMAL IMAGING CAMERA

IR-384 / IR-480 / IR-640



Optional lens : 48° /12° /6°





SPECIFICATIONS

Model	IR-384		IR-480	IR-640
Detector type	Uncooled FPA VOX			
IR Resolution	384x288	480x360	640x512	
Thermal Sensitivity (NETD)	30mK			
Spectral Range	8~14 μm			
Standard lens	24°			
Optional lens	48 °, 12 °, 6 °, etc			
Spatial resolution (IFOV)	1.30mrad (24° lens); 2.26mrad (48° lens); 0.68mrad (12° lens); 0.34mrad (6 ° lens)	0.92mrad (24° lens); 1.87mrad (48° lens); 0.46mrad (12° lens); 0.23mrad (6° lens)	0.66mrad (24° lens); 1.39mrad (48° lens); 0.33mrad (12° lens); 0.16mrad (6° lens)	
Focus	Manual/Automatic/Electric			
Minimum focal distance	0.15m (24° lens); 0.15m (48° lens); 0.3m (12° lens); 1m (6° lens)	0.15m (24° lens); 0.15m (48° lens); 0.3m (12° lens); 2m (6° lens)	0.15m (24° lens); 0.15m (48° lens); 0.3m (12° lens); 2m (6° lens)	
Display	4.3" Outdoor Viewable Screen	5" Outdoor Viewable Display Screen		
Lens Identification	Automatic			
Temperature measurement				
Object temperature range	20℃~150℃ (low temperature range) 0℃~410℃ (medium temperature range)			
Optional temperature range	(300℃~650℃ (Optional 300℃~2000℃)			
Temperature measurement accuracy	± 2℃ or ± 2 % of Average			
Visible light				
Digital camera	5MP Camera - Built In LED Light			
Laser				
Laser pointer	Supported			
Laser Range Finder	40 m			
Laser alignment	Automatic			
Wireless transmission				
Bluetooth	Supported			
WIFI	Supported			
4G (optional)	Supported			
Image display				
Palette	10 color palettes			
Touch screen	Supported			
Image mode	Infrared, visible light, picture in picture, image fusion, IMIX			
Measurement analysis				
Temperature measurement settings	10 points, 10 boxes, 5 lines - Min /Max/& average values			
Full Screen Min/Max Temperature Values	Supported			



SPECIFICATIONS

Digital zoom	1×- 8×
Emissivity correction	Supported
Atmospheric transfer correction	Automatic, based on input values of distance, atmospheric temperature and relative humidity
Isotherms	Supported
Alarm	
Alarm	Automatic Temperature Alarm based on Preset Value
Satellite positioning (optional)	
GPS	Supported
Image storage	
Storage method	SD card
Infrared image format	.jpg (radiometric temperature data) .png (radiometric temperature data)
Visible light image format	.jpg
Infrared video format	H.264 or full-radiation infrared video
Voice annotation	60-second voice annotation, stored with the image
Text Annotation	Preset text can be selected and stored with the image
Video output	
Video output	HDMI
Video output interface	Micro HDMI interface
Power system	
Battery type	Removable rechargeable lithium battery
Power supply voltage	DC12V
Battery operating time	General use > 3 hours at 25°C
Charging method	Dual Battery Docking Station
Charging type	AC adapter, car charger
Power saving mode	Sleep mode
Physical parameters	
Weight	1.23kg (including battery)
Dimensions	279x135x147mm
Environmental parameters	
Operation temperature	-20°C~55°C
Storage temperature	-40°C~70°C
Humidity (operating and storage)	≤ 95%, non-condensing
Encapsulation Rating	IP54
Other parameters	
Analysis software	Windows 7 and above, secondary analysis, infrared detection report and other functions