



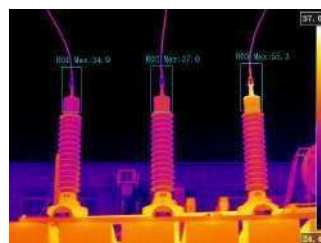
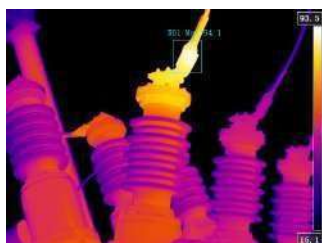
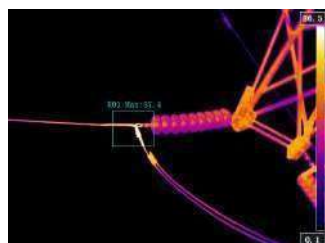
INFRARED AND THERMAL INSTRUMENTS

HANDHELD INFRARED THERMAL IMAGER

IR 400 IR 500 IR 700



Optional lens : 48° /12° /6°





SPECIFICATIONS

Model	IR 400		IR 500	IR 700
Detector type	Uncooled FPA, VOX material			
IR Resolution	384x288	480x360	640x512	
Thermal Sensitivity/NETD	≈ 30mK （ @30℃ ）			
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			
Minimum focal distance	0.15m (24° lens); 0.15m (48° lens); 0.5m (12° lens); 1m (6° lens)	0.15m (24° lens); 0.15m (48° lens); 0.5m (12° lens); 2m (6° lens)	0.15m (24° lens); 0.15m (48° lens); 0.5m (12° lens); 2m (6° lens)	
Display	4.3"/5" Outdoor Viewable Display Screen,480x272/800x480	5" Outdoor Viewable Visible Display Screen,800x480		
Temperature measurement				
Object temperature range	-20℃~+150℃ (low temperature range)/0℃~+410℃ (medium temperature range)			
Optional temperature range	+300℃~+650℃/+300℃~+2,000℃/other ranges (high temperature range)			
Temperature measurement accuracy	±2℃ or ±2% of readings			
Visible light				
Digital camera	Built-in 500W pixel digital camera with LED light			
Laser				
Laser pointer	Support			
Image display				
Palette	10 color palettes			
Touch screen	Capacitive touch screen			
Wireless transmission				
Bluetooth	Support Bluetooth headset playback			
WIFI	Support,support preview SD card pictures through WIFI			
4G (optional)	Transmit real-time images to mobile phones via 4G, view cloud images			
Measurement analysis				
Temperature measurement settings	10 points, 10 boxes, 5 lines at the same time, including maximum/minimum/average values			
Full screen maximum/minimum temperature	Support, automatically capture the highest/lowest temperature of the full screen			
Digital zoom	1×, 2×, 4×, 8×			
Radiance correction	Automatic, based on input values of emissivity			
Atmospheric transfer correction	Automatic, based on input values of distance, atmospheric temperature and relative humidity			



SPECIFICATIONS

Isotherms	Support
Alarm	
Alarm method	Automatic sound and light alarm for the set temperature value/above/below/below
Satellite positioning (optional)	
GPS	For outdoor use, the screen displays the latitude and longitude of the device's location, and the photos taken and saved can be displayed with latitude and longitude in the analysis software
Image storage	
Storage method	32G high-speed SD card
Infrared image format	.jpg (including full temperature data)/.png (including full temperature data)
Visible light image format	.jpg
Infrared video format	H.264 or full-radiation infrared video
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	Double-bay charger or car charger
Physical parameters	
Weight	1.09kg (including battery)
Dimensions	260x135x136mm
Environmental parameters	
Operation temperature	-20°C~55°C
Storage temperature	-40°C~70°C
Humidity (operating and storage)	≤ 95%, non-condensing
Packaging level	IP54