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HANDHELD INFRARED THERMAL IMAGER

SC300-B SC500-B SC600-B

Optional lens : 48° /12° /6°

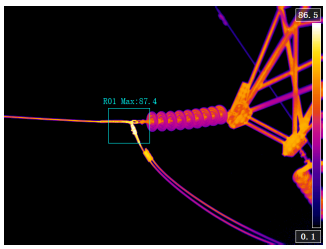
5"TFT touch screen

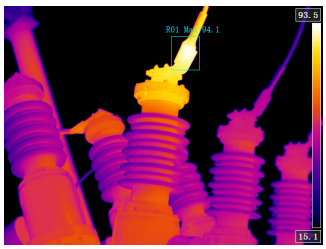
5 million pixels visual camera

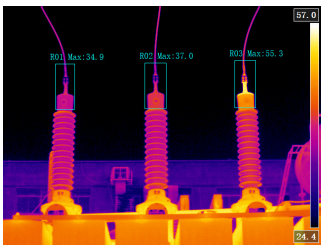
Better performance with ±2℃ as accuracy

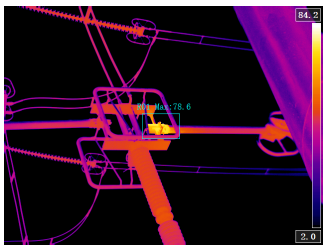
IR image/Visual image/PIP/Fusion/MIF

Professional analysis software









SPECIFICATIONS

Model	SC300-B	SC500-B	SC600-B
Detector type	Uncooled FPA, VOX material		
IR Resolution	384x288	480x360	640x512
Thermal Sensitivity/NETD	<40mK (@30℃)		
Spectral Range	8~14μm		
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"/5" Sunshine Visible Display Screen,480x272/800x480	5" Sunshine Visible Display Screen,800x480	
Camera recognition	Automatic recognition after replacing the lens		
Temperature measurement			
Object temperature range	-20℃~+150℃ (low temperature range)/0℃~+410℃ (medium temperature range)		
Optional temperature range	+300°C~+650°C/+300°C~+2,000°C/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		
Laser ranging	40 m		
Laser alignment	Automatically display the position on the infrared image		
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		
Image display			
Palette	10 color palettes		
Touch screen	Capacitive touch screen		
Image mode	Infrared, visible light, picture in picture, image fusion, IMIX		
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		

SPECIFICATIONS

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
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
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℃
Charging method	Double-bay charger or car charger
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
Packaging level	IP54
Other parameters	
Analysis software	Windows 7 and above, secondary analysis, infrared detection report and other functions

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