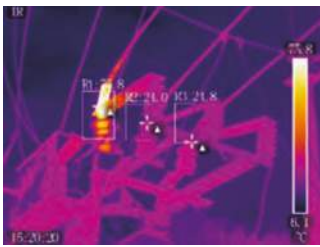


- Onboard image enhancement ensures crisp and vibrant thermal images
- Expanded temperature measurement range for fast detection of hot spots and hidden anomalies in industrial environments
- Suitable for a wide range of PPM, industrial inspections, process control and failure diagnosis applications



SPECIFICATION		
Models	S300	S600
Detector Type	Uncooled Microbolometer	
Resolution	384 × 288@17µm	640 × 480@17µm
Super Resolution	Up to 768 × 576 pixels	Up to 1280 × 960 pixels
Spectral Range	7.5 µm ~ 14 µm	
Wavelength	50Hz	
NETD	≤0.06°C@30°C	≤0.04°C@30°C
FOV	25° × 19°	
Optional Lens	45°x34° / 12°x9° / 6.2°x4.6°	47°x36.2° / 12.4°x9.33° / 6.92°x5.19°
IFOV	1.13mrad	0.68mrad
Digital Zoom	1x-8x continuous zoom	
Focus	Manual	Manual/electric/automatic
Display		
Screen	4.3-inch touch display screen	
Digital Camera	5-megapixel, with built-in LED lights	
Image Mode	Infrared, Visible light image, PNP, Multi-band fusion image MFI, Thermal superposition image	
Palette	12 Palettes (iron red, rainbow, white hot, black hot, etc)	
Image Adjustment	Manual/Automatic	
Measurement & Analysis		
Temperature Measurement Range	-20° C~650° C(expandable to 1500° C)	
Temperature Accuracy	Temperature measurement range from 0° C to 100° C, is + 1° C; Other temperature measurement ranges is ± 2° C or ± 2%, take the maximum value	
Temperature Measurement Mode	Real-time 20 movable points, lines, area temperature measurement (maximum temperature, lowest temperature capture, average temperature measurement), full-screen maximum temperature and minimum temperature capture, isothermal analysis, temperature difference measurement, temperature alarm (sound, colour)	
Emissivity	Custom input and material table selection, range 0.01-1.0	
Measurement Corrections	Emission rate, ambient temperature, reflection temperature, relative humidity, temperature measurement distance, and infrared window compensation	
Rangefinder	N/A	Distance shown on Screen
Image Storage and Transfer		
Image Storage	TF card, standard 64GB	
Image Storage Mode	Infrared images and Digital Camera images are saved simultaneously	
Thermal Image Format	JPEG format, 16bit Radiometric IR digital image. Radiation infrared video recording and non-radiation infrared video recording in H.264 format	
Digital Camera Image Format	JPEG format, H.264 format for Digital Camera video recording	
Voice	Supports 60 seconds of voice annotation, stored together with the image	
Text Annotation	Preset text comments with editable text	
Intelligent Diagnostic Function	N/A	Built-in DL/T664-2016 Live Equipment Infrared Diagnosis Application Specification, supports task mode shooting, automatic naming of IR image (optional function)
Transfer Interfaces	Micro USB, TF card, Bluetooth, and WiFi	
Power supply		
Battery Type	Replaceable & Rechargeable Lithium Ion	
Battery Hours	Approximately 4 hours Continuous working Time (25° C ambient temperature)	
Environmental		
Working Temperature	-20° C~50° C	
Storage Temperature	-40° C~70° C	
Vibration	28(GB/T2423.10-2008)/IEC 60068-2-6:1995	
Shock	258(GB/T2423.5-2019)/IEC 60068-2-27:2008	
Enclosure Rating	IP54	
Physical Specification		
Weight	≤850g(With a standard lens and batteries)	≤880g(With a standard lens and batteries)
Dimensions	245 × 125 × 120mm	
Accessories	IR thermal imager, rechargeable lithium battery * 2, Charging Dock, power adapter, USB cable, TF card, Card reader, Packing list, Calibration Certificate, User manual, Warranty card, Carry Case	