THERMOGRAPHY CAMERAS
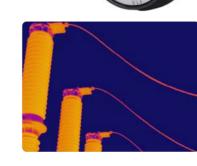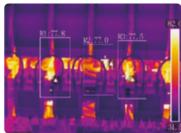
- Onboard image enhancement ensures crisp and vibrant thermal images
- Rotatable screen ensures more operating flexibility
- Expandable temperature measurement range for fast detection of hot spots and hidden anomalies in industrial settings
- Suitable for a wide range of PPM, industrial inspections, process control and failure diagnosis applications

SPECIFICATION

Models	M300	M600
Image Performance		
Detector Type	Uncooled Microbolometer	
Resolution	384×288@17μm	640×480@17μm
Super Resolution	Up to 768×576 pixels/1280×960 pixels	
Wavelength	7.5~14μm	
Image Frame Frequency	5OHz	
NETD	≤0.06°C@30°C	≤0.05°C@30°C
FOV	24.5° × 18.5°	
Optional Lens	43° × 32.9° / 12.42° × 9.33° / 6.2° × 4.6°	47° × 36.2° / 12.42° × 9.33° / 6.92° × 5.19°
IFOV	1.13mrad	0.68mrad
Digital Zoom	1×-10× continuous zoom	
Focus	Manual/Electric/Automatic/Continuous Automatic, Min focus distance 150mm	
Display		
Screen	5.5" Touch display screen	
Viewfinder	Built-in 0.5"color OLED display	
Digital Camera	5-megapixel, FOV: 24° x 18°, with built-in LED lights (Optional 8MP & 13MP)	
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)	-20°C~650°c(expandable to 2000°C)
Temperature Accuracy	Temperature measurement range from O°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, (Max. 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	
Rangefinder	Distance shown on screen	
Measurement Corrections	Emission rate, ambient temperature, reflection temperature, relative humidity, temperature measurement distance,and infrared window compensation	
Image Storage and Transfer		
Image Storage	TF card,standard 64GB	
Image Storage Mode	Infrared images and DigitalCamera images are saved simultaneously	
IR Image Format	JPEG format, infrared raw measurement data images; Radiation infrared video recording and nonradiation infrared video recording in H.264 format	
Digital Camera Image Format	JPEG format; H.264 format for Digital Camera video recording	
QR Code	Support QR code scanning, automatic naming of IR image(Optional)	
Voice	Supports 60 seconds of voice annotation, stored together with the image	
Text Annotation	Preset text comments with editable text	
Drawing	Drawing on IR Images	
4G	Optional	
Compass	Electronic compass information is saved along with the map(Optional)	
Transfer interfaces	Type-C,TF card, HDMI, Bluetooth, and WIFI	
Power Supply		
Battery Type	Replaceable &Rechargeable Lithium Ion	
Battery Hours	Approximately 4 hours Continuous working Time (25°C ambient temperature)	
Battery Charger	12V Charging Dock	
Environmental		
Working Temperature	-20°C~50°C	
Storage Temperature	-40°C~70°C	
Vibration	2G-IEC60068-2-6:1995	
Shock	25G-IEC60068-2-27:2008	
Enclosure Rating	IP54	
Physical Specification		
Weight	1.25kg(With a standard lens and batteries)	
Dimensions	192x124.5x85.5mm	215x137x95mm
Accessories	IR thermal imager, rechargeable lithium battery * 2, Charging Dock, power adapter, Type-C to USB cable, HDMI cable, TF card, Card reader,Packing list, Calibration Certificate, User manual, Warrantycard, Carry Case	