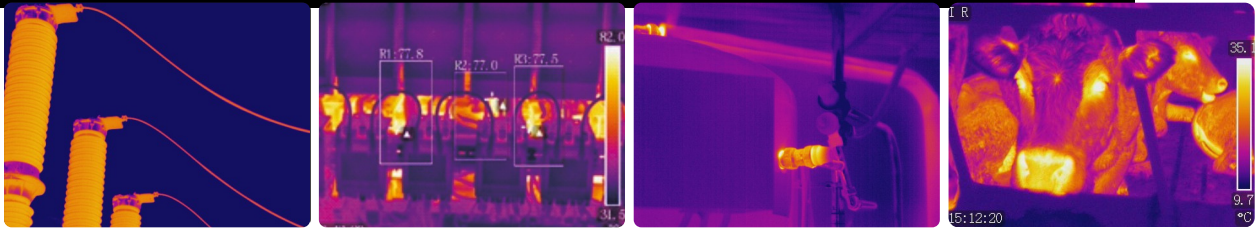




# M Series Professional Thermography Cameras

- 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
<b>Image Performance</b>		
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	50Hz	
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×-8× continuous zoom	
Focus	Manual/electric/automatic/continuous automatic	
<b>Display</b>		
Screen	5.5" Touch display screen	
Viewfinder	Built-in 0.5" color OLED display	
Digital Camera	5-megapixel, 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	
<b>Measurement &amp; Analysis</b>		
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 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, (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	



SPECIFICATION		
Models	M300	M600
<b>Image Storage and Transfer</b>		
Image Storage	TF card, standard 64GB	
Image Storage Mode	Infrared images and Digital Camera 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)	
Intelligent Diagnostic Function	Built-in DL / T664-2016 Live Equipment Infrared Diagnosis Application Specification, supports task mode shooting, automatic naming of IR image (Optional)	
Transfer interfaces	Type-C, TF card, HDMI, Bluetooth, and WiFi	
<b>Power Supply</b>		
Battery Type	Replaceable & Rechargeable Lithium Ion	
Battery Hours	Approximately 4 hours Continuous working Time (25°C ambient temperature)	
Battery Charger	12V Charging Dock	
<b>Environmental</b>		
Working Temperature	-20°C~50°C	
Storage Temperature	-40°C~70°C	
Vibration	2g(GB/T2423.10-2008)/EC60068-2-6:1995	
Shock	25g(GB/T2423.5-2019)/IEC60068-2-27:2008	
Enclosure Rating	IP54	
<b>Physical Specification</b>		
Weight	1.25kg (With a standard lens and batteries)	
Dimensions	192 × 124.5 × 85.5mm	215 × 137 × 95mm
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	