MX1200
Expertise Level Infrared Camera

- High sensitivity 1280x1024 Resolution detector.
- Rotatable screen ensures more operation flexibility
- Accurate, powerful easy to use features, measurement range for fast detection of hot spots and hidden anomalies in industrial environments
- Suitable for Electric power, machinery maintenance, metallurgy, petrochemical, building inspection and other application fields.



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THERMOGRAPHY CAMERAS

SPECIFICATION	
Model	MX1200
Imaging & Optical	
Detector Type	Uncooled Microbolometer
Resolution	1280×1024@12μm
Super Resolution	Up to 2560X2048 pixels
Spectral Range	8 μm ~ 14 μm
Image Frequency	50Hz
NETD	≤30mk@30°C
FOV	28.7° × 23.2°
Lens Focal Length	30mm
Minimum Focus Distance	15cm
Optional Lens	45° x 34° / 12.42° x 9.33° / 6.92° x 5.19°
IFOV	0.4mrad
Digital Zoom	1x-45x continuous zoom
Focus	Manual/Laser Automatic/Contrast Automatic
Display	5.5 inch Touch display screen, resolution 1920*1080
Viewfinder	Built-in 0. 5 inch HD color OLED display, resolution 1920*1080
Digital Camera	13 Megapixel, with built-in LED lights
Image Mode	Infrared, Visible light image, PNP, Image enhancement mode(MFI), Thermal superposition image
Palette	12 Palettes (Iron, White hot, Black hot, Rainbow, Arctic, Lava, etc.)
Image Adjustment	Manual/Automatic
Measurement & Analysis	
Temperature Measurement Range	-20°C~650°C (Optional up to 1500°C, 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 35 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, color)

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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/Laser pointer	Distance shown on Screen
Image Storage and Transfer	
Image Storage	TF card, standard 128GB
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
Drawing	Drawing on IR Image
Programmable button	2 Programmable buttons
Transfer Interfaces	USB Type C, TF card, Bluetooth, and WiFi, HDMI Video out put
Software	IR Analyser for PC and Andriod-full analysis and reporting software, live stream on PC/Phone
5G	Yes(Optional)
GPS	Yes
Compass	Electronic compass information save along with the map(Optional)
Power supply	
Battery Type	Replaceable & Rechargeable Lithium Ion (7.2V 3400mAh 24.48Wh)
DC Operation	12V DC power supply(100V to 240V, 50/60Hz)
Battery Hours	Approximately 3.5 hours Continuous working Time (25°C ambient temperature)
Battery Charger	12V Charging dock for 2 battery charging, 2.5 hours charging time
Battery Management	Automatic shut-down
Environmental	
Working Temperature	-20°C~50°C
Storage Temperature	-40°C~70°C
Vibration	2G/IEC 60068-2-6:1995
Shock	25G/IEC 60068-2-27:2008
Enclosure Rating	IP54
Physical Specification	
Weight	≤1.5kg(With a standard lens and battery)
Dimensions	216×137×96.5mm
Package Includes	IR thermal imager, rechargeable lithium battery * 2, Charging Dock, power adapter, USB cable, TF card, Card reader, Packing list, Calibration Certificate, User manual, 2 Years Warranty card, Carry Case

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