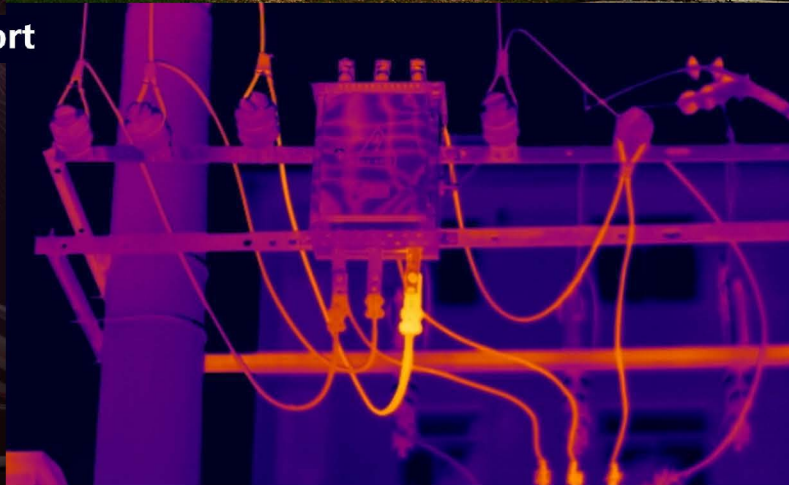# IVI1024 MJ

Thermal Imaging Camera

ThermoCOM
Thermography Solutions

Product advantages

- **High Precision Resolution**
  1024 X 768 Pixels , super resolution with 5.8 inch sunlight touch screen

- **90° rotating lens for convenient measurement**

- **Measurement Accuracy of ±2℃ or ±2% of readings-guaranteed**

- **Terminal Intelligence Report**

Technical Specifications

Image Display		IVI 1024
Detector resolution		1024x768
NETD		<0.03°C (@30 °C)
Spatial resolution		50° lens, 0.92 mrad 28° lens, 0.48 mrad 14° lens, 0.24 mrad 7° lens, 0.12 mrad
Display screen	5.8" sunlight readable display screen, 1280*768 pixels	
Touch screen	Capacitive touch screen	
Uncooled FPA		
Detector materials	Polycrystalline silicon or vanadium oxide	
Service band	7.5 - 14μm	
Standard lens		28°
Optional lens		50°/14°/ 7°
Depth of field		0.5 m-∞ (28°); 1 m-∞ (14°)
Lens recognition	Automatic Identification	
Focusing mode	Manual, automatic, electric	
Image frequency	30 Hz	
Zoom	1X-8X continuous	
Temperature measurement parameters		
Standard range	-20°C - 150°C, 0°C- 410°C , 300° - 650°	
Optional range	+300°C- 650°C\ +300°C - +2,000°C\ other ranges (high temperature)	
Measurement accuracy	±2°C or 2% of readings	
Viewfinder parameters		
Viewfinder	Built-in color 1024x768 pixel viewfinder	
Visible light parameters		
Digital camera	Built-in 5 Mega Pixel digital camera with LED lamps / Illuminator	
Ranging laser parameters		
Laser ranging range	0.01m-40m	
Laser ranging accuracy	±1cm or 1%	
Laser alignment	The position is automatically displayed on the infrared image	

Technical Specifications

Image display

Palette	Ten palettes such as iron oxide red/gray/anti-iron red/anti-gray, others
PIP	Display the infrared image area in the visible image
IMIX	Support
Image fusion	Support
Isotherm	Support
Super-resolution	Increase the number of pixels by 4 times
GPS	Built-in GPS, automatically add position information to the image

Wireless transmission

WIFI	Transmit infrared images to a mobile phone / computer via WIFI
Bluetooth	Support Bluetooth headset recording and playback

USB transmission

USBtransmission	Use a USB to transfer images in the SD card in the camera to a PC

Measurement And Analysis

Spot, line and area setting	It can support up to 10 points, 10 boxes and 5 lines at the same time
Full screen Max /Min	automatically capture full-screen maximum /minimum temperature
Temperature difference	Automatically calculate the temperature difference of each measurement
Non-uniformitycalibration	Manual/Auto according to the sensor signal
Emissivity correction	Automatic, input value based on emissivity
Atmospheric transmission correction	Automatic, based on the input values

User Interface

Text annotation	Select a text annotation from the preset list and edit it in the thermal imager
Audio annotation	Support voice annotation and store it with the image

Alarm

Alarm mode	Automatic acousto-optic alarm for set temperature value/above/below

Image storage

Storage of images	32G high speed SD card (Store over 10000 infrared images)
Infrared image format	.jpg/.png(Measurement data included)
Visible image format	.jpg/.png
Infrared video format	H.264 video storage to the SD card

Video output

Video output	HDMI
Video output interface	Micro HDMI interface

Technical Specifications

Power System	
Battery type	Detachable rechargeable lithium battery
Supply voltage	DC 12V
Working time of battery	> 3 hours for general purposes at 25°C
Charging mode	Two-socket charger
Physical Characteristics	
Weight	1.6 kg (including batteries)
Size	210 x 119 x 174mm
Environmental Parameters	
Operating temperature	-20°C - 55°C
Storage temperature	-40°C - 70°C
Humidity	◆95%, RHIP54
Protection level	UNC ¼"-20
Tripod installation	

Technical parameters are subject to change without notice. The weight and dimensions in the text are for reference only. The picture is for illustrative purposes only, and the displayed image may not represent the actual resolution of the thermal imager.

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