

Handheld Thermal Imaging Camera

Model WT3090



Applications:

Thermal Imager is designed for non-contact detection and calculation of apparent surface temperature, and the thermal image creation is based on the temperature variation. Imager Thermometers provide fast and accurate readings for most surface temperature measurements with TFT color LCD display & Imager Video format. Built for tough work environments, these high-performance, fully radiometric imagers are ideal for troubleshooting electrical systems, electro-mechanical equipment, process equipment, HVAC/R equipment and others.



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Introduction to Key Interface

Temperature cursor display

The maximum and minimum temperature cursor display can clearly show the highest and lowest temperature areas on the thermal image





Instruction to structure



Features:

1. With small volume, the product is easy to operate and has strong function. It is the ideal selection for electric power, electronic manufacturing, Industrial inspection and other fields.

2. With a visible light camera. The thermal images and visible images are stored in the device and can be read through USB.

3. The radiation coefficient may be adjusted to increase the measurement accuracy of objects with half reflection surface.

4. The highest temperature and lowest temperature cursor may guide the users to the areas with highest and lowest temperature of the thermal images.

5. The selectable color palette.

- 6. Video recording function
- 7. Analysis software



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Specification

Model	WT3090	WT3160	WT3220	WT3320
Infrared image resolution	120×90	160x120	220x160	320x240
Temperature measurement range	-20°C~550°C (-4°F~1022°F)			
FOV/Shortest focal length	26°×19″/0.5m	35°×26″/0.5m	35°×26″/0.5m	56°×42″/0.5m
Measurement accuracy	-15°C~550°C±2°C or ±2%; -20°C~15°C±4°C			
Display screen	2.8" full-angle TFT display screen			
Visible image resolution	300,000 pixel			
LCD resolution	320×240			
Thermal sensitivity	≤40mK (@25°C, F#1.0)		<50mK (@25°C, F#1.0)	
Emissivity	Adjustable from (0.01–1.00)			
Frame rate of thermal images	25Hz			
Wavelength coverage	8–14µm			
Focus mode	Fixed			
Color palette	Spectra, Iron, Cool, White Hot, Black Hot			
Storage capacity	Built-in 8GB (available storage space is about 6.62GB)			
File format	JPG			
USB	Туре-С			
Power Supply	Built-in rechargeable 18650 battery			
Working Time	2-3 hours			
Automatic power-off time	Selectable:5 min/20 min/not power off automatically			
Setting command	Unit, Language, Date, Time, Information			
Language	English, Chinese, Italiano, Deutsch, Russian			
Operating temperature	-20°C to 50°C			
Storage temperature	-20°C to 60°C			
Storage humidity	40% to 75%			

Product packing:

