

THERMAL IMAGING CAMERA METERS



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They are also called thermal imagers or infrared imagers, that detect the heat or radiation emitting from objects. Thermal imaging is a non-invasive technique that converts infrared energy into visible energy. Thermal cameras work by detecting the radiation emitted by objects and converting them into electrical signals which proceed to produce thermal images on screen.

Used in Electrical/Mechanical Inspection, Automation Applications, Preventative & Predictive Maintenance, Research & Development.

Also known as Thermal Imaging Camera.

LTMET14 THERMAL IMAGING CAMERA METER



SPECIFICATIONS

Model	LTMET14-1	LTMET14-2	LTMET14-3
Display	2.4 " Color display	-	-
Resolution	60x60	-	-
Total pixels	3600	-	-
FOV/Shortest focal length	20°x20°/0.5 m	-	-
Thermal sensitivity	0.15 °C	0.07 °C	
Measuring mode	Infrared focal plane measuring temperature	-	-
Temperature range	-20 °C~300 °C (-4°F~572°F)	-	-
Measuring accuracy	± 2% digital/± 2°C	-	-
Wavelength range	8~14 μm	-	-
Image frequency	6 Hz	-	-
Emissivity	0.1-1.0 Adjustable	Adjustable from 0.01 to 1.0	
Focus Mode	Fixed	-	-
Palette	Iron colon,rainbow,black and white	-	-
Image Storage	card(4G)	-	-
File Format	bmp	-	-
Set control	unit adjustment/Language/date time /Format/automatic shutdown	-	-
Battery type	4*AA alkaline batteries	-	-
Operating temperature	5°C~40°C	-	-

Storage temperature	- 20 °C~ 50 °C	-20°C to 60°C	- 20 °C to 60 °C
Humidity	10% RH to 80% RH	-	-
Vibration	2G,IEC 60068-2-6	-	-
Size	230x80x52 mm	-	-
Weight	320 g	-	-
Waterproof rating	IP65	-	-
Display screen	-	3.2 "full angle TFT/display screen	3.5 "full angle TFT display screen
Infrared image resolution	-	220x160	320x240
visible image resolution	-	300,000 pixel	
Field angle/shortest focus length	-	27°x35°/0.15 m	56°x 42°/ 0.15 m
Temperature measurement range	-	-20 °C~300 °C (-4 °F~572 °F)	-20°C to 450°C (-4°F to 854°F)
Measurement accuracy	-	± 2 % digital/± 2 °C	± ≤100 °C ±2 °C ; 100-300 °C ± 2 % ; ≥300 °C ± 3 %
Frame rate of thermal images	-	9 Hz	
Wavelength coverage	-	8-14 um	
Focus mode	-	Fixed	
Color palette	-	Rainbow, iron oxide red, cold color,black & white, white & black	Rainbow, iron oxide red, cold color, black & white, white & black
View option	-	The integration of thermal image with 25% step length and visible image.	The integration of thermal image with 25% step length and visible image.
Storage medium	-	Built-in 3G (above 20 thousand image stored)	
File format	-	JPG	
USB	-	Micro USB 2.0	
Power supply	-	Built-in rechargeable 18650 battery	Built-in rechargeable 26650 battery
Automatic power-off time	-	Selectable: 5 minutes/20 minutes/not power off automatically	
Product size (length x width x height)	-	90x105x223 mm	97 mm x 129 mm x 256 mm
Product weight	-	389 g	-
Work temperature	-	0 °Cto 45 °C	0 °C to 45 °C
Relative humidity	-	< 85 % RH	



LTMET14-1



LTMET14-2



LTMET14-3



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