

Advanced Test Equipment Corp. www.atecorp.com 800-404-ATEC (2832)



Your First Step to Professional Thermography



Accurate Temperature Measurement

Precision at your fingertips - Perfect focus for flawless temperature readings.

- Manual focus, ensures concise measurement at all distances.
- 49° wide angle shot, to always see the big picture. Help you infer the root of the thermal anomaly.
- 40mk thermal sensitivity, unveil subtle flaws. No damp spot ever escapes your sight.

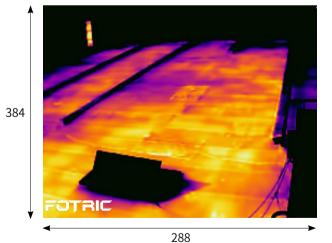


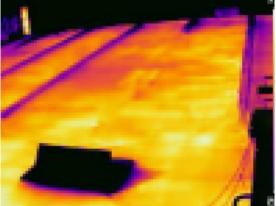
40mk thermal sensitivity reveal every anomaly

Superior Image Quality

Image quality is more about aesthetics, but directly impacts the quality of your presentation.

- 384*288 thermal pixels, presenting your findings with unprecedented clarity.
- Super resolution, boost the performance to expert level.
- T-DEF[®] Fusion 0~100% adjustable transparency. Select the best way present your finding.
- Touch span to highlight the anomaly against the environment.





Over 100000 pixels

Under 10000 pixels



Robust and Intuitive Design

A perfect combination of ruggedness ingenuity.

- Function shortcut button, tailor what the camera does to what you need.
- Spacious 3.5" LCD touch screen that enable both screen and button operation.
- 8MP industrial grade digital camera, enables flawless inspection result presentation.
- Dust and water resistant (IP54), made for durability and industrial adaptability.

Unparallel Response Speed

Your thermal camera should never slow you down. It's all about user experience.

- Powered by Android, it flows as smoothly as your smartphone.
- Fluent remote control with every operation system (Windows, MacOS, Android, IOS), so you can access your work from everywhere.

Applications



Specifications

Core Parameters Thermal Resolution (SR) Support Super Resolution (SR) Support IR Detector Type Uncooled PR infrared detector Thermal Sensitivity (NETD) 40mk(0.04° C) Detector Pitch 17µm Spectral Range 7.14µm Frane Rate 30/2 Field of View (FOV) 25° * 19° 49° * 37° IFOV 1.14 mrad 2.23 mrad Minimum Focus Distance 0.1 m 0.5 m Focus Mode Manual focus Focus Free Digital Zoom 1-8x, continuous Temperature Range -20° C - 350° C Temperature Range -20° C - 350° C Temperature Range -20° C - 350° C Temperature Range -20° C - 350° C Consent temperature) Specie 6 ; Resurement Accuracy ±2° C or 2%, whichever is greater (at 15° C-35° C ambient temperature) Resurement Tools Specie 7 ; C Resurement Tools Specie 7 ; G Roll Alarm Support Support Rol Alarm Support 0- device Radiometrici		TK8	TK7
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T-DEF® Adjustable transparency 0% ~100% T-TWB® Tempetrature visual representation normalization option	Image Overlay	Max, min, avg temperature and measurement parameters	
T-TWB [®] Tempetrature visual representation normalization option	Hot and Cold Spot Tracing	Automatic recognition and tracing	
	T-DEF [®]	Adjustable transparency 0% ~100%	
PIP Moveable and Resizable	T-TWB®	Tempetrature visual representation normalization option	
	PIP	Moveable and Resizable	

Specifications

Capture Functions		
Digital Camera	8 MP industrial camera	
Storage Card	TF card, 32GB, expandable to 128GB	
Single frame capture	Support	
Image Format	JPEG	
Video Format	MP4	
Freeze Image	Support	
QR Code	Support	
Voice Annotation	Support (120 seconds)	
Text Annotation	Support	
Tags	Support	
Favorite	Support (filter favorite files)	
MP4 Recording	Support	
Gallery	Support viewing, editing and deleting existing files	
Data Connection		
WiFi	Support 2.4GHz&5GH channel,Support 802.11a/b/g/n/ac	
Bluetooth	Support	
USB	USB Type-C type;USB 3.0 / 2.0 compliant,Support USB OTG	
HDMI	Micro HDMI type,HDMI 1.4 compliant,Support 1080P imaging video streaming in 60Hz.	
Remote Access	Support	
Remote Control		
Mobile Access	Via Irexplorer	
Webpage Access	Via Irexplorer	
Auxiliary Features		
Software and Firmware Upgrade	TF card upgrade	
Laser	Level 2; wavelength: 635nm; Power: <1mW	
LED Flash Lamp	Support, serves as lamp and flash light	
Power System		
Battery	Rechargeable Li-ion, 3.6V, 5000mAh	
Battery Operation Time	≥ 4 hours	
Charging Methods	Support battery dock adaptor and Type-C interface (compatible with cell phone charger).	
Battery Charging Time	3.5 hours to full-charge by battery dock. 2.5 hours to full-charge by connect to camera.	
Energy Save	Auto Screen-off	
External Power Source	Type-C connect to PC or Power adaptor (5V, 3A)	
Reliability and Certificates		
Safety	SELV relay (GB 4943.1/IEC60950-1)	
EMC Compatibility	GB/T17626.2/IEC 61000-4-2	
Enclosure Rating	IP54	
Drop	2m(GB/T 2423.8/IEC 60068-2-32)	
Shock	25g(GB/T 2423.5/IEC 60068-2-27)	
Vibration	2g(GB/T 2423.10/IEC 60068-2-6)	
RoHS Compliant	Yes	

Specifications

Physical Parameters		
Operation Temperature	-20° C to 50° C	
Storage Temperature	-40° C to 70° C,without battery	
Relative Humidity	<95%RH	
Dimension (mm)	243*95*142mm	
Weight (include battery)	0.8kg	
Battery Weight	0.15kg	
Casing Material	Hard Plastic :PC+ABS, Soft Rubber:TPE	
Mounting Method	Support UNC 1/4-20 interface connecting tripod	
Warranty		
Warranty	2 years	
Recommended Calibration Cycle	2 years	
Language		
Supported Language	English, Spanish, Korean, Italian, Germany, Portuguese, Traditional Chinese	
Configurations		
Standard Configuration	FOTRIC handheld thermal camera, documentations(certificate of quality, certificate of calibration, warranty card, packing list), user manual, USB-Type C cable, TF card TF card reader, power adaptor, 2 piece of battery.	

Innovation Excellence Integrity

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