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Disclaimer

Specifications subject to change without further notice.

Specifications

Model	TE160	TE320
Imaging Performance		
Detector type	VOx UFPA	
Spectral range	8~14µm	
Pixel size	25µm	
IR resolution	160x120	320x240
NETD	≤80mk	≤60mk
Field of view(FOV)	20.6°x15.5°	23.8°x17.9°
Focal length	11mm/ F1.0	19mm/ F1.0
IFOV	2.25 mrad	1.30 mrad
Frame rate	50/60Hz	
Focus	Manual	
Digital Zoom	2x, 4x	
Image Presentation		
Display	3.5" LCD screen	
Resolution	320x240	
Viewing angle	60°	
Color depth	24bits	
Aspect ratio	4:3	
Display technology	TFT	
Brightness adjustable	Yes	
Image type	IR	
Color Palettes	6	
Image adjustment	Non-uniformity correction, automatic/manual brightness and contrast adjustment	
Measurement Features		
Temperature range	-20°C~+350°C	

TE Series - Thermographic IR Camera

Accuracy	± 2 °C or $\pm 2\%$ of reading for ambient temperature 15 °C ~35 °C at a distance of 1~5m, otherwise, ± 3 °C or $\pm 3\%$ of reading
Measurement Analysis	
Spotmeter	Center spot
Auto tracking	Area T _{max} /T _{min} tracking
Isotherm	Above, Below
Alarm	Area T _{max} /T _{min} alarms
Emissivity correction	Yes: variable from 0.01 to 1.00
Reflectivity correction	Yes
Ambient temperature correction	Yes
Relative humidity correction	Yes
Distance correction	Yes
Storage	
Image format	JPG with temp info
Storage media	Removable SD card
Video Streaming	via USB
Interface	
Interface	Micro USB 2.0 for images and videos output
SD Card /Wi-Fi SD Card	Alternative
Power System	
Battery	Rechargeable Li-ion battery (UN38.3 certification)
Battery voltage	3.7V
Operation time	≥ 4 h
Charging temperature	10°C~35°C
Charge system	In camera or on separate charger
Power supply	5V
Charging period	4h in camera, 5h in dual-bay charger
Power management	Automatic shut-down and sleeping mode
Environmental Parameters	
Operating temperature range	-10°C~50°C
Storage temperature range	-40°C~70°C
Humidity	< 95%, non-condensing
Encapsulation	IP43
Drop test	1m
Shock	25g (IEC 60068-2-27)
Vibration	2g (IEC 60068-2-6)
Certification	CE, FCC, ROHS

TE Series - Thermographic IR Camera

Physical Characteristics	
Weight	700g (battery included)
Dimensions	258mm×98mm×90mm
Color	Yellow-grey/orange-grey/blue-black
Battery weight	140g
Battery size	117mm×41mm×46mm
Shipping Information	
Packaging, contents	<ul style="list-style-type: none"> ◆ Infrared camera with lens ◆ Standard accessories <ul style="list-style-type: none"> · Li-ion Battery (2 pieces) · Power Adapter · Adapter Plug (single choice) · Wrist Strap · USB Cable (2m) · Quick Start Guide · Product CD · Accessories List Card · SD Card (16G) ◆ Optional accessories <ul style="list-style-type: none"> · Li-ion Battery · Camera Pouch · Charging Dock · Wi-Fi SD Card (8G)

Pictures of Contents



Infrared camera with lens and wrist strap



Power Adapter



Adapter Plugs



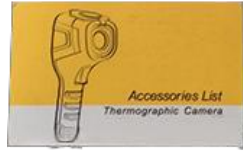
Li-ion Battery



USB Cable (2m)



SD Card (16G)



Accessories List Card



Quick Start Guide



Product CD



Camera Pouch



Charging Dock



Wi-Fi SD Card (8G)

