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TI160 | TI384

Thermal Imaging Cameras



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FEATURES

3.5" TFT LCD

40s voice record, auto alarm

Multi-mode for temp. measurement, max./min./avg temp, auto tracking, isotherms analysis

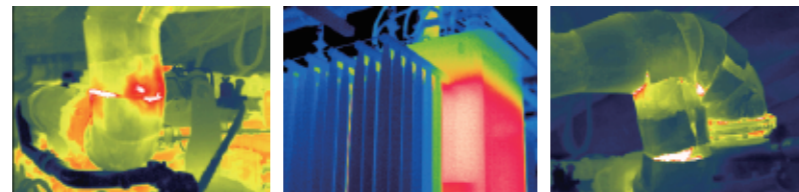
Three lenses for option

High accuracy, easy operation

TI160 | TI384 The most affordable IR cameras in the market, with real 50Hz frame rate, multi functions and highest temperature measurement range(up to 1200 °C). They provide ultimate inspection tools and unprecedented easy-to-use designs to fit your needs.

APPLICATION CASE

- Building diagnostics
- Electrical or mechanical inspection
- Research& development
- Automation applications
- Preventative& predictive maintenance



STANDARD PACKAGE

standard package	
Infrared Camera×1	Warranty Card×1
Li-Ion Battery×2	User Manual×1
Battery Charger×1	IR See Software CD ×1
USB Cable×1	Suitcase×1
Video Cable×1	



TECHNICAL SPECIFICATIONS

Item	TI160	TI384
Detector Data		
Detector type	Uncooled FPA	
IR resolution	160 x 120	384 x 288
Pixel pitch	25µm	
IR Imaging and Optical Data		
Spectral range	7.5 ~ 14µm	
FOV/Min focus distance	21°x 16°/0.15m(standard lens)	18°x 14° / 0.15m(standard lens)
	35°x 27°/0.05m(wide angle lens)	30° x 23°/0.1m(wide angle lens)
	4° x 3° /0.8m(telephoto lens,optional)	9° x 6°/0.8m(telephoto lens, optional)
Image Presentation		
Spatial resolution (IFOV)	2.3mrad(standard lens)	1.0mrad(standard lens)
NETD/Sensitivity	≤0.065 °C at 30 °C target temp(65mk)	<65mk at 30 °C
Frequency	50/60Hz	
Focus	Manual	
Digital zoom	2x	
Display	Built-in 3.5" color LCD	
Measurement		
Temperature range	-20 °C to +120 °C / 0 °C to +350 °C (switchable)	
	Up to 1200 °C (optional)	
Accuracy	±2 °C or ±2% of reading	
Measurement spot	Up to 4 moveable spots	
Measurement area	Up to 3 moveable boxes, with max./min./avg temperature value	
Line profile	Vertical, horizontal	
Isotherms analysis	Detect high/low temperature/interval	
High temperature alarm	Voice, color	
Emissivity correction	Adjustable from 0.01 to 1.0	
Temperature correction	Auto	
Languages	10 Languages(English, French, Italian, German, Spanish, Portuguese, Russian, Korean, Japanese, Simplified Chinese & Traditional Chinese)	
Image Storage		
Storage type	Built-in flash card, up to 1500 images	
Files format	Standard JPEG, 14-bit measurement data included	
Voice annotation	40s voice record	
Laser point		
Grade/Type	Class 2, 1mW/635nm Red	
Power System		
Battery type	Rechargeable and replaceable Li-ion battery	
Battery operating time	Approx 3 hours	
Power saving	User defined	
Power operation	12V ±5%	
Environment Data		
Operating temperature range	-20 °C - +50 °C	
Storage temperature range	-40 °C - +70 °C	
Humidity	95% non-condensing	
Enclosure rating	IP54	
Shock	25G,IEC60068-2-29	
Vibration	2G,IEC60068-2-6	
Physical Data		
Size(L×W×H)	330mm × 95mm × 86mm	
Weight	650g	
Tripod mounting	1/4" -20	
Interfaces		
External DC input	Yes	
Audio output	Yes	
Video output	PAL / NTSC	
USB	Images transfer to PC	
Packing		
Standard	Thermal imaging camera with Standard IR lens, 2 Li-ion batteries, Battery charger, Adapter, Video cable, USB cable, CD-ROM (software & user manual), Warranty card, Transportation case	
Optional accessories	Li-ion battery, IR lens	