

TI160|TI384

Thermal Imaging Cameras

ULIRVISION TI160 & TI384 are affordable thermal cameras in the market, with 50Hz frame rate, multi functions and wide temperature measurement range. They provide ultimate inspection tools and unprecedented easy-to-use designs to fit your needs.

Features

3.5" TFT LCD

Built-in microphone to record 40sec voice annotation

Multiple lenses for option

Automatic Hot/Cold/Average spot recognition

Intuitive and easy operation menu

Multifunction PC analysis software

IRSee

Applications

Building Diagnostics

Electrical/Mechanical Inspection

Research & Development

Automation Applications

Preventative & Predictive Maintenance



ULIRVISION

Technical Specifications

Item	T1160	T1384
Detector Data		
Type	Uncooled FPA	
IR resolution	160×120	384×288
Pixel pitch	25μm	
Spectral range	7.5~14μm	
NETD/Sensitivity	65mK	
Lens		
FOV/Minimum imacina distance	21°×16°/15cm	18°×14°/15cm
I FOV	2.3mrad	1.0mrad
Focus	Manual	
Lens(Optional)	35°×27°/5cm、4°×3°/80cm	30°×23°/10cm、9°×6°/80cm
Image Performance		
Display	3.5" color LCD, 320×240 pixels	
Frequency	50Hz/60Hz	
Zoom	2X	
Color palletes	12 palletes(including iron, rainbow, white hot and black hot etc.)	
Contrast/brightness	Auto/Manual	
Measurement		
Temperature range	-20℃~+350℃、-20℃~+600℃(can be extended to 1200℃)	
Measurement accuracy	±2℃/±2%(reading)	
Spotmeter	4 adjustable spots	
Line profile	Vertical/Horizontal	
Area	3 adjustable boxes with max./min./avq temperature value	
Isotherms analysis	Capture high/low temperature/interval	
Alarm	Voice, color	
Measurement correction	Auto/Manual	
Emissivity correction	Adjustable from 0.01 to 1.0 or selected from list of materials	
Backround temperature correction	Auto	
Atmospheric transmissivity correction	Auto	
Setting function	Date/time, temperature unit °C/°F/K, language	
Image Storage		
Storage type	Built-in flash card, 800 images	
Storage mode	Store signal frame image auto/manual	
Voice annotation	40s voice record, stored with per image via built-in microphone	
Laser Point		
Grade/Type	Class 2, 1mW/635nm Red	
Interfaces		
Power	Yes	
Video output	CVBS	
Audio output	Yes	
USB	USE2.0, radiometric images、 measurement data and voice are transfered to PC	
Tripod	1/4" -20	
Power System		
Battery type	Rechargeable li-ion battery	
Battery operation time	3hours	
DC supply	DC: 12V ±5%	
Charging system	In camera or intelligent charger	
Power saving	Yes	
Environment Parameters		
Operation temperature range	-20℃~+50℃	
Storage temperature range	-40℃~+70℃	
Humidity	≤95%(Non-condense)	
Vibration	2G(IEC60068-2-6)	
Shock	25G(IEC60068-2-29)	
Encapsulation	IP54(IEC60529)	
Physical Data		
Size(L×W×H)	330mm×95mm×86mm	
Weight	≤0.65kg(with battery and standard lens)	
Packing		
Standard	Thermal imaging camera with standard IR lens, 2 Li-ion batteries, battery charger, adapter, USB cable, SD card, card reader, software CD, warranty card, certificate, calibration book	
Optional accessories	Laptop, SLR camera	