

TI400|TI600

Thermal Imaging Cameras

ULIRVISION TI400|TI600 are with ergonomic design, high performance with 5MP visual camera, interchangeable lens, large 5" foldable and rotatable LCD, manual & auto focus. It can provide powerful assistance for thermographers to have the most efficient instrument for maintenance inspections.

TI400|TI600 have a wide range temperature measurement to satisfy variety of thermograph applications and they enable you to identify the small temperature difference that could cause big problems.

Features

Folding and 270° rotatable display

Auto/Motor focus for one-hand operation

Bright LED light, laser pointer

Built-in digital camera, 5.0M resolutions

Real-time thermal video transfer to PC via USB, and remote transfer via MSN and Skype



Applications

Building Diagnostics

Electrical/Mechanical Inspection

Research & Development

Automation Applications

Preventative & Predictive Maintenance

ULIRVISION

Technical Specifications

Item	T1400	T1600
Detector Data		
Type	Uncooled FPA	
IR resolution	384×288	640×480
Pixel pitch	17μm	
Spectral range	7.5~14μm	
NETD/Sensitivity	65mK	
Lens		
FOV	24°×18°	
Minimum imaging distance	1m	0.3m
I-FOV	1.2mrad	0.68mrad
Focus	Auto/Motor/Manual	
Lens(optional)	47°×35°/0.5m、12°×9°/1m、6.3°×4.7°/4m	45°×33°/0.5m、12°×9°/1m、6.2°×4.7°/8m
Image Performance		
Display	5" 270° tiltable LCD, 800×480 pixels	
Visual camera	5.0 mega pixel	
Frequency	50Hz/60Hz	
Zoom	1X~8X continuous	
Color palletes	12 palletes(including iron, rainbow, white hot and black hot etc.)	
Contrast/brightness	Auto/Manual	
Measurement		
Temperature range	-20℃~+600℃(can be extended to 1200℃)	
Temperature accuracy	±2℃/±2%(reading)	
Spotmeter	10 adjustable spots	
Line profile	Vertical/Horizontal	
Area	5 adjustable boxes with max./min./avg temperature value	
Isotherms analysis	Capture high/low temperature/interval	
Alarm	Voice, color	
Dew point alarm	Yes	
Measurement correction	Auto/Manual	
Emissivity correction	Adjustable from 0.01 to 1.0 or selected from list of materials	
Background temperature correction	Auto	
Atmospheric transmissivity correction	Auto	
Setting function	Date/time, temperature unit °C/°F/K, language	
Video	Can be recorded and saved	
Image Storage		
Storage type	Built-in flash card, >2800 images 16G SD card, >32000images	Built-in flash card, >700 images 16G SD card, >9600 images
Storage mode	Store signal frame image auto/manual	
Signal frame infrared image format	JPEG, with 14-Bit measured data image	
Signal frame visible light image format	JPEG or stored with signal frame image	
Voice annotation	60s voice record, stored with per image via built-in microphone	
Laser Point		
Grade/Type	Class 2, 1mW/635nm Red	
Interfaces		
Power interface	Yes	
SD card slot	Yes	
Video output	CVBS	
Audio output	Yes	
USB	Radiometric images transfer to and from PC	
Triod	1/4" -20	
Power System		
Battery type	Lithium battery	
Battery operation time	3h continuous	
External power	DC: 10V~15V	
Charging system	Intelligent charger or in camera(AC adapter or 12V car charger)	
Power saving	Yes	
Environment Parameters		
Operation temperature range	-20℃~+50℃	
Storage temperature range	-40℃~+70℃	
Humidity	≤95%(Non-condense)	
Shock	2G(IEC60068-2-6)	
Vibration	25G(IEC60068-2-29)	
Encapsulation	IP54(IEC60529)	
Physical Data		
Size	215mm×145mm×135mm	
Weight	≤1.6kg(with battery and standard lens)	
Packing		
Standard	Thermal imaging camera with standard lens, 2 lithium batteries, battery charger, adapter, USB cable, SD card, card reader, software CD, warranty card, calibration certificate	
Option	Laptop, SLR camera	