

TI400S|TI600S

Thermal Imaging Cameras

ULIRVISION TI400S|TI600S are with ergonomic design, high performance with 5MP visual camera, interchangeable lens, large 5" foldable and rotatable touch LCD, manual & auto focus. It can provide powerful assistance for thermographers to have the most efficient instrument for maintenance inspections.

TI400S|TI600S 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 touch LCD
- Auto/Motor focus for one-hand operation
- User-friendly interface, Android OS
- Built-in digital camera, 5.0MP resolutions
- Real-time thermal video transfer to PC, and remote transfer via WIFI



Applications

- Building Diagnostics
- Electrical/Mechanical Inspection
- Research & Development
- Automation Applications
- Preventative & Predictive Maintenance

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Technical Specifications

Item	T1400S	T1600S
Detector Data		
Type	Uncooled FPA	
IR resolution	384x288	640x480
Pixel pitch	17μm	
Spectral range	7.5~14μm	
NETD/Sensitivity	50mK	40mK
Lens		
FOV	24°x18°	
IFOV	1.2mrad	0.68mrad
Focus	Auto/Motor/Manual	
Lens(optional)	47°x35°/50cm、12°x9°/1m、6.3°x4.7°/4m	45°x33°/50cm、12°x9°/1m、6.2°x4.7°/8m
Image Performance		
Display	5",270° rotatable LCD,800x480 pixels	
Visual camera	5.0 mega pixel	
Frequency	50Hz/60Hz	
Zoom	1X~10X continuous	
Color palettes	12 palettes(including iron, rainbow, white hot and black hot etc.)	
Contrast/brightness	Auto/Manual	
Measurement		
Temperature range	-20℃~+150℃, 100℃~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	Auto/Manual	
Emissivity correction	Adjustable from 0.01 to 1.0 or selected from list of materials	
Background	Auto	
Atmospheric	Auto	
Setting function	Date/time, temperature unit °C/°F/K, language	
Video	Can be recorded and saved	
Image Storage		
Storage media	64G SD card, >128000 images	64G SD card, >38400 images
Storage mode	Auto/manual store image in frame	
Thermal image format	JPEG, with 14-Bit measured data image	
Visible light image format	JPEG or stored with signal frame image	
Voice annotation	60s voice record, stored with per image via built-in microphone	
Text Annotation	Support 30 preset text annotations(editable)	
Laser Point		
Grade/Type	Class 2,1mW/635nmRed	
Interfaces		
Power interface	Yes	
SD card slot	Yes	
WIFI	Yes	
Bluetooth	Yes	
Video output	CVBS	

Audio output	Yes
USB	USB 2.0
Tripod	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 temp range	-20°C~+50°C
Storage temp range	-40°C~+70°C
Humidity	≤95%(Non-condense)
Vibration	2G(IEC60068-2-6)
Shock	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,
Option	Laptop, SLR camera

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