

INFRARED SOLUTIONS - SYSTEMS & SERVICES



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INFRARED-CAMERA-CONFIGURATOR
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TI1000

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Thermal Imaging Cameras

ULIRVISION TI1000 features ergonomic design, high performance with 5MP visual camera, interchangeable lens, large 5" 1024x600 OLED, manual & auto focus. They can provide powerful assistance for thermographers to have the most efficient instrument for maintenance inspections.

TI1000 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

Built in GPS automatically added to every picture.

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, WiFi

Applications

Building Diagnostics

Electrical/Mechanical Inspection

Research & Development

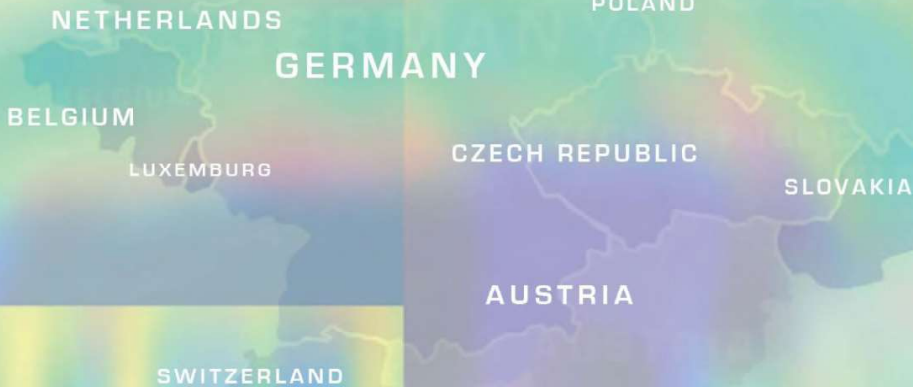
Automation Applications

Preventative & Predictive Maintenance



Technical Specifications

Item	T11000
Detector Data	
Type	Uncooled FPA
IR resolution	1024 x 768
Pixel pitch	17um
Spectral range	7.5~14um
NETD/Sensitivity	50mk
Lens	
FOV	19.8°x14.8°
Minimum Imaging distance	1m
IFOV	0.34mrad
Focus	Auto/Motor/Manual
Lens(Optional)	27.9°x21.1°/0.5m, 9.9°x7.5°/2m
Image Performance	
Display	5" OLED, 1024x600 pixels
Visual camera	5.0 mega pixel
Frequency	30Hz
Zoom	1X~8X continuous
Color palettes	12 palettes(including Iron, rainbow, white hot, and black hot etc.)
Contrast/brightness	Auto/Manual
Measurement	
Temperature range	-40°C~+150°C, 0~600°C, +300~2000°C
Temperature accuracy	+2°C/+2%(read/in)
Spot/meter	10 adjustable spots
Line profile	Vertical/Horizontal
Area	10 adjustable spots, 5 rectangle/circle 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, °F/°K, language, GPS
Video	Can be recorded and saved
Image Storage	
Storage type	64G SD card, =128000 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	WiFi and USB
Audio output	Yes
USB	Radiometric Images transfer to and from PC
Tripod	1/4" -20
Power System	
Battery type	Lithium battery
Battery operation time	2.5h 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°C~+50°C
Storage temperature range	-40°C~+70°C
Humidity	≦95%(Non-condense)
Shock	2G(IEC60068-2-6)
Vibration	25G(IEC60068-2-29)
Encapsulation	IP54(IEC60529)
Physical Data	
Size	180mmx145mmx150mm
Weight	≦1.8kg(with battery and standard lens)
Packaging	
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



Application
Anwendungsbereich

Model

Modell



Building Investigation Gebäudethermografie	●	●	●	●		
Electrical Thermography Elektrothermografie	●	●	●	●		
Medical/Human Body Investigation Medizintechnische Anwendungen	●	●	●	●	○	
Predictive Maintenance Vorbeugende Instandhaltung	●	●	●	●	○	
Research & Development Forschung & Entwicklung	○	○	●	●	●	○
Automation/Conditional Monitoring Automation/Qualitätssicherung			●	●	●	○
Industrial Process Control Industrielle Prozesskontrolle			●	●	●	○
Surveillance/Rescue Management Fernbeobachtung/Sicherheitstechnik					●	
Traffic Control Verkehrsüberwachung					●	
Furnace/Glass melting industry Brennraum/Glasschmelze						●
Flame- and plastic measurement Flamm- und Folienmessung						●

○ capable geeignet

● well suitable gut geeignet

● particularly suitable sehr gut geeignet