

INFRARED SOLUTIONS - SYSTEMS & SERVICES



Infrared Systems  
Infrarot Systeme

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INFRARED-CAMERA-CONFIGURATOR  
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# T5|T6

## Thermal Imaging Cameras

**ULIRVISION T5|T6** are with ergonomic design, high performance with 5MP visual camera, interchangeable lens, 4.3" touch screen, manual & auto focus. It can provide powerful assistance for thermographers to have the most efficient instrument for maintenance inspections.

**T5|T6** 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

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4.3" touch screen display

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Auto/Manual focus

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Built-in digital camera, 5.0MP resolutions

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Multiple measurement: 10 spots, 5 vertical/horizontal lines, 5 boxes & 3 circles

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2-meter drop protection

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### Applications

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Building Diagnostics

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Electrical/Mechanical Inspection

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Research & Development

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Automation Applications

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Preventative & Predictive Maintenance

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## Technical Specifications

Item	T5	T6
<b>Detector Data</b>		
Type	Uncooled FPA	
IR resolution	384×288	640×480
Pixel pitch	17μm	
Spectral range	7.5~14μm	
NETD/Sensitivity	50mK	40mK
<b>Lens</b>		
FOV	24°×18°	
IFOV	1.13mrad	0.68mrad
Focus	Auto/Manual	
Lens Identification	Automatic	
Lens(optional)	45°×33°, 12°×9°	
<b>Image Performance</b>		
Display	4,3" touch screen,LCD with 800×480 pixels	
Visual camera	5.0 mega pixel	
Frequency	50Hz/60Hz	
Zoom	1X~10X continuous	
Color palletes	12 palletes (including iron, rainbow, white hot and black hot etc.)	
Contrast/brightness	Auto/Manual	
<b>Measurement</b>		
Temperature range	-20℃~+600℃(can be extended to 1200℃)	
Temperature accuracy	±2℃/±2%(reading)	
Spotmeter	10 adjustable spots	
Line profile	5 Vertical/Horizontal	
Area	5 adjustable boxes & 3 adjustable circles 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	
<b>Image Storage</b>		
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 Annoation	Support 30 preset text annotations(editable)	

<b>Laser Point</b>	
Grade/Type	Class 2,1mW/635nmRed
<b>Interfaces</b>	
Power interface	Yes
SD card slot	Yes
WIFI	Yes
Bluetooth	Yes
Video output	HDMI
USB	USB 2.0
<b>Power System</b>	
Battery type	Lithium battery
Battery operation time	4h continuous
External power	DC: 10V~15V
Charging system	Intelligent charger or in camera(AC adapter or 12V car charger)
Power saving	Yes
<b>Environment Parameters</b>	
Operation temp range	-20℃~+50℃
Storage temp range	-40℃~+70℃
Humidity	≤95%(Non-condense)
Shock	2G(IEC60068-2-6)
Vibration	25G(IEC60068-2-29)
Encapsulation	IP54(IEC60529)
<b>Physical Data</b>	
Size	262mm×125mm×138mm
Weight	≤950g(with battery and standard lens)
<b>Packing</b>	
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





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

