# 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.

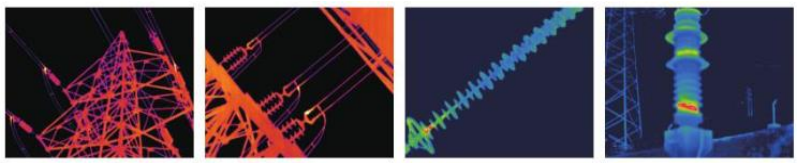
## Features

- 4.3” touch screen display
- Auto/Manual focus
- Built-in digital camera, 5.0MP resolutions
- Multiple measurement: 10 spots, 5 vertical/horizontal lines, 5 boxes & 3 circles
- 2-meter drop protection



## Applications

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



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## Technical Specifications

| Item | T5 | T6 |
|---|---|---|
| **Detector Data** | | |
| Type | Uncooled FPA | |
| IR resolution | 384×288 | 640×480 |
| Pixel pitch | 17μm | |
| Spectral range | 7.5～14μm | |
| NETD/Sensitivity | 50mK | 40mK |
| **Lens** | | |
| FOV | 24°×18° | |
| IFOV | 1.13mrad | 0.68mrad |
| Focus | Auto/Manual | |
| Lens Identification | Automatic | |
| Lens(optional) | 48°×36°/12°×9° | |
| **Image Performance** | | |
| 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 | |
| **Measurement** | | |
| 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 | |
| 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 ℃/℉/K, language | |
| **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 Annoation | 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 | HDMI |
| USB | USB 2.0 |
| Tripod | 1/4” -20 |
| **Power System** | |
| 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 |
| **Environment Parameters** | |
| 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) |
| **Physical Data** | |
| Size | 261mm×126mm×119mm |
| Weight | ≤950g(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, USB flash drive, warranty card, calibration certificate |