



Follow ULIRVISION, Application is All Around Make the World More Secure

TI175 | TI395

Thermal Imaging Cameras
for Electricity & Industry Applications



ZheJiang ULIRVISION Technology Co.,LTD

13A-15F, Huihe Building, NO.296 Wenyi Road, Westlake District,
Hangzhou 310012, Zhejiang, China.

T: +86 (0) 571 8720 9879

F: +86 (0) 571 8512 5358

E-mail : overseas@ulirvision.com

WWW.ULIRVISION.COM



FOLLOW ULIRVISION



WWW.ULIRVISION.COM

TI175 | TI395

Thermal Imaging Cameras for Electricity & Industry Applications



FEATURES

Fusion and overlay of the thermal image & visible image

Multi-mode for temp. measurement, max./min./avg temp, auto tracking, isotherms analysis

3.2", 270°rotatable and foldable LCD

Tiny size, light weight 400g

Auto, motor focus, multi-lens for option

TI175 | TI395 Feature highest resolution and sensitivity among the counterparts with same price. With ergonomic and pocket-size design, they cover more angles, image faster, making it easier to target, focus, find and report equipment problems faster.

APPLICATION CASE

- Building diagnostics
- Electrical or mechanical inspection
- Research& development
- Automation applications
- Preventative& predictive maintenance



STANDARD PACKAGE

standard package	
Infrared Camera×1	Converter cable×1
Li-Ion Battery×2	User Manual×1
Charger×1	Warranty Card ×1
SD Card×1	IRSee Software CD×1
SD Card Reader×1	Adapter×1
USB Cable ×1	Transport Case×1
Video Cable×1	



TECHNICAL SPECIFICATIONS

Item	TI175	TI395
Detector Data		
Detector type	Uncooled FPA,160×120 pixels	Uncooled FPA, 384×288 pixels
Pixel pitch	25µm	
Spectral range	7.5~14µm merge(He bing)	
	21°×16°/0.15m(standard lens)	21°×16°/0.4m(standard lens)
	42°×32°/0.1m (wide lens,optional)	38°×28°/0.3m (wide lens,optional)
FOV	10°×8°/1m (telephoto lens,optional)	11°×8.5°/1.2m(telephoto lens,optional)
Spatial resolution(IFOV)	2.3mrad	1.2mrad
Sensitivity/NETD	≤0.065 C at 30 C target temp(65mk) merge(he bing)	
Image Presentation		
Image Display	3.2" 270° tiltable LCD	
Image modes	Thermal image, visual image, thermal fusion, picture-in-picture, thumbnail gallery	
Thermal fusion	IR image shown above, below or within temp interval on visual image	
Picture in Picture	Resizable and movable IR area on visual image	
Frequency	50Hz(PAL)/60Hz(NTSC)	
Focus	Auto/Motor	
Digital Zoom	1-4x Continuous	1-8x Continuous
Visual camera	3.0MP	
Spotlight	10cd/m²	
Measurement		
Temperature range	-20 C ~ 250 C (Industrial) -20 C ~ 600 C (optional A) -20 C ~ 1200 C (optional B)	
Temperature measurement accuracy	±2 C or ±2% of reading	
Spotmeter	4 adjustable spots	
Area	3 adjustable boxes with max./min./average	
Line profile	Horizontal/vertical	
Isotherms analysis	Detect high/low temperature/interval	
Delete	No	
Hot/cold spot Auto detection	Max/Min/Average temp	
Emissivity correction	Variable from 0.01~1.0	
Alarm	Voice and Color	
Language	10 languages(English, French, Italian, German, Spanish, Portuguese, Russian, Korean, Japanese, Simplified Chinese & Traditional Chinese)	
Set-up Commands		
Real-time Video	Transfer via USB	
Color palettes	Iron, anti-iron,feather red,black hot,white hot, medical	
Setting function	Date/time, temperature units C/F/K, language, scale	
Measuring Calibration	Automatic, based on inputs	
Image Storage		
Storage type	4G SD card, Building-in flash	
Voice annotation	60s voice record	
Storage capacity	Up to 700 images in built-in flash card	Up to 500 images in built-in flash card
	Up to 11200 images in 4G SD card	Up to 8000 images in 4G SD card
Storage format	Standard JPEG, including measurement data	
Periodic image storage	user defined, 7 seconds at least	
Laser Pointer		
Grade/Type	Class II, 1mW/635nm red	
Power System		
Battery	Li-ion, ≥3 hours operating time	
Charging system	In camera or AC adapter	
AC supply	110 ~ 240V AC, 50/60Hz, 5V DC output	
Voltage	5V±5% DC	
Power management	Automatic shutdown(user selectable)	
Environmental Data		
Operating temperature range	-20 C ~+50 C	
Storage temperature range	-40 C ~+70 C	
Humidity	95% (non-condensation)	
Enclosure rating	IP54	
Shock	25G,IEC60068-2-29	
Vibration	2G,IEC60068-2-6	
Physical Data		
Camera weight,incl. battery and standard lens	393g	
Camera size(LxWxH)	128×62×154mm	
Size of screw nut on tripod	1/4" _20	
Data Communication interface		
USB	Data transfer to and from PC	
Video output	PAL/NTSC	
Audio output	Yes	
Packing		
Standard	Thermal imaging camera with Standard lens, 2 Batteries, Battery charger, USB cable, SD card, SD card reader, CD-ROM (software and user manual), Adapter, Warranty card, Calibration certificate	
Optional Accessories	Infrared lens, Li-ion battery	