# TI175|TI395

## **Thermal Imaging Cameras for Electricity & Industry Application**

**ULIRVISION TI175**|**TI395** are affordable, easy-to-operate and high-performance thermal imaging cameras that offer accurate temperature measurements at safe distances.

**TI175|TI395** have a wide range of temperature measurements to satisfy a variety of thermograph applications. They are special electricity and industry applications.

#### **Features**

Excellent thermal image and high accuracy temperature measurement

3.2",270° rotatable and foldable LCD

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

Tiny size, light weight 400g

Multi-lens for option

Fusion and overlay of the thermal image & visible image

### **Applications**

**Building Diagnostics** 

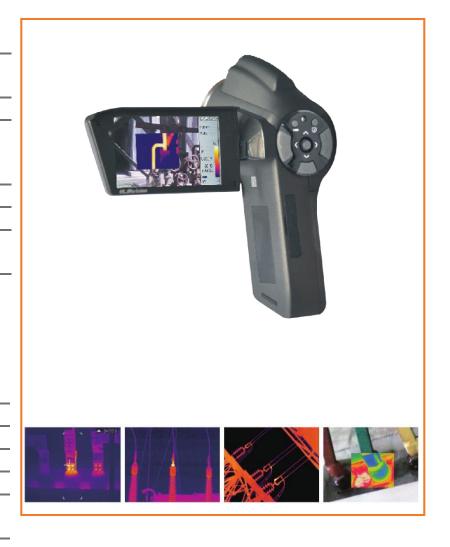
Electrical/Mechanical Inspection

Research & Development

**Automation Applications** 

Preventative & Predictive

Maintenance



#### ULIRVISION

#### **Technical Specifications**

Item	TI175	TI395
Detector Data		
Туре	Uncooled FPA	
IR resolution	160×120	384×288
Pixel pitch	17µm	
Spectral range	7.5∼14μm	
NETD/Sensitivity	70mK	
Lens		
FOV	24°×18°	24°×18°
IFOV	2.6mrad	
Focus	Auto/Motor	
Lens(Optional)	12°×9°	48°×37°/12°×9°/6.0°×4.5°
Image Performance		
Display	3.2".270° tiltable Li	CD,800×480 pixels
Visual camera	3.0 mega pixel	
Frequency	50Hz/60Hz	
Zoom	1X∼4X continuous	1X~8X continuous
Color palettes		
Brightness	12 palettes(including iron, rainbow, white hot and black hot etc.)  Manual	
Measurement	ividi	idai
weasarement	-20℃~+250	℃(Standard)
Temperature range	-20℃∼+250℃(Standard) +200℃∼+600℃(Optional)	
Measurement	±2℃/±2%(reading)	
accuracy	, <i>-</i> ,	
Spotmeter	4 adjustable spots	
Line profile	1 Vertical/Horizontal	
Area	5 movable areas (rectangular and circular max temp, min temp capture, average temp	
Isotherms analysis	measurement)  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	Auto	
correction		
Atmospheric transmissivity	Auto	
correction	Ac	

Setting function	Date/time, temperature	e unit □/□/K, language	
Languages	10 languages(English, French, Italian, German, Spanish, Portuguese, Russian, Korean,		
Lunguages	Japanese, Simplified Chinese & Traditional Chinese)		
Image Storage			
Storage type	Built-in flash, >700 images	Built-in flash card, up to >500 images	
	8G SD card, up to >11200 images	8G SD card, up to >8000 images	
Signal frame infrared image format	JPEG, with 14-Bit radiometric image		
Voice annotation	40s voice record, stored with per image via built-in microphone		
Laser Point			
Grade/Type	Class 2,1mW/635nmRed		
Interfaces			
Power interface	Yes		
SD card slot	Yes		
Video output	CVBS		
Audio output	Yes		
USB	USE2.0, radiometric images、measurement data and voice are transferred to PC		
Tripod	1/4" -20		
Power System			
Battery type	Lithium battery		
Battery operation time	2h continuous		
External power	DC: 5V±5%		
Charging system	Intelligent charger or in camera		
Power saving	Yes		
Environment Parame	ters		
Operating temperature range	-20℃~+50℃		
Storage temperature range	-40℃~+70℃		
Humidity	≤95%(Non-condense)		
Vibration	2G(IEC60068-2-6)		
Shock	25G(IEC60068-2-29)		
Encapsulation	IP54(IEC60529)		
Physical Data			
Size	128mm×62mm×154mm		
Weight	≤0.4kg(with battery and standard lens)		
Packing			

## **ULIRVISION**

Thermal imaging camera with standard IR lens, 2 Li-ion batteries, battery charger, adapter,

Standard

USB cable, SD card, SD card reader, USB flash drive, warranty card, calibration book,

carrying case, user manual