



- Quick operation functions
- Real-time 50 Hz image display and analysis
- Three types of temperature units available (°C, K, °F)
- Built-in flash memory to store up to 1000 images in JPEG format
- Quick access button settable for your operation
- Built-in laser pointer for an easy target locating

T2-E/S/P Thermal Imaging Camera

Product Summarize

■ Ultra compact structure and easy operation

The compact and ultra-light design allows the user to handhold the camera easily to aim the target. Ergonomic control buttons enable the realization of all functions.

■ Accurate temperature measurement and high image quality

T2 series cameras offers you unmatched temperature measurement accuracy with thermal sensitivity of 0.1°C. And clear, noise-free, excellent quality images displaying on the camera's 2.5" color LCD provides you an instance access to defects.

■ Multi temperature measurement mode

T2 series cameras integrates varies measurement mode: from basic one movable spot mode to advanced modes such as multi-movable spots and areas with average/max/min temperature tracing, line profile, isotherms and temperature difference, all of which enable operator to get clear target temperature situation all-sided and quickly. The function of visible and audible alarms allows camera assist operators observing selected area automatically.

■ Built-in flash memory

Built in flash memory store up to 1000(100 for T2-E) image of JPEG picture format along with 40 seconds voice annotation per image, it is convenient for operators to refresh the memory of shooting situation.

■ Intelligent power control system

Automatic shutdown and sleep mode are designed for saving the battery power, which could stand up to 3 hours continuous operation.

DAI Thermal Imaging Camera

T2-E/S/P Thermal Imaging Camera

ITEM		T2-E	T2-S	T2-P
Detector characteristics	Detector type	Amorphous Silicon micro-bolometer		
	Array size/format	160×120		
	Pixel pitch	35µm		
Image characteristics	Field of view/min focus distance	18°×13°/0.3m		
	Spatial resolution (IFOV)	1.9mrad		
	Thermal sensitivity	0.1°C@30°C		
	Frame rate	50/60Hz		
	Focus	Manual		
	Electronic zoom	N/A		2X
	Spectral range	8-14µm		
Image display	LCD display	Built-in high-resolution color 2.5" LCD		
Measurement	Temperature ranges	-20 °C ± 250°C	-20 °C ± 250°C extendable to +500°C	-20 °C ± 250°C extendable to +1000°C
	Accuracy	± 2 °C or ± 2% of reading, Whichever is greater		
	Measurement correction	Automatic/manual		
	Movable spots	1	1	4
	Movable areas	N/A	1	3
	Area Max/Min temperature	N/A	√	√
	Area average temperature	N/A	√	√
	Line profile	N/A	N/A	√
	Isotherms	N/A	√	√
	Temperature difference	N/A	√	√
	Alarm(voice, color)	N/A	√	√
	Color palette	3 palettes changeable	8 palettes changeable	11 palettes changeable
	Image adjustment	Auto/manual gain and brightness		
	Setup functions	Date/time, temperature unit, language		
	Emissivity correction	Variable from 0.1 to 1.0		
	Ambient temperature correction	Automatic corrections according to user input		
	Image storage	Storage card	Built-in flash memory, Up to 100 images	Built-in flash memory, Up to 1000 images
Storage mode		Manual single image saving	Automatic/manual single image saving	
File format-thermal		JPEG, 14 bit thermal image with measurement data		
Voice annotation		N/A	Input via built-in microphone up to 40 seconds of digital voice per image stored with image	
Laser pointer	Laser pointer	Class 2, 1mw/635nm(red)		
Power supply	Battery type	Li-Ion, rechargeable		
	Battery operating time	3 hours continuous operation		
	Charging system	Intelligent charger	Intelligent charger or power supply adaptor(optional) online charge	
	Power saving	YES		
	External power	N/A	10-15V DC	
Environment	Operating temperature	-15°C- +50°C		
	Humidity	≤90% (non-condensing)		
	Encapsulation	IP54		
Physical characteristics	Weight	0.6Kg		
	Dimensions	270mm×100mm×72mm		
Interface	External DC input	N/A	YES	
	Audio output	N/A	YES	
	Video output	N/A	PAL/NTSC	
	USB	Image, measurement data transfer to PC	Image, measurement data and voice transfer to PC	

