

## ThermoProTMTP8 & TP8S

## Top-end IR Thermographic Camera



Improved on the most advanced IR package available now, integrating multiple technologies never used in the industry, ThermoPro™TP8 &TP8S are another ingenious solution Guide IR provides for professional IR thermographers around the world. In a rugged, compact and durable magnalium casing, ThermoPro™TP8&TP8S offer a wide assortment of unexpected features that enable thermographers to work with unprecedented efficiency and productivity. Exceeding all the existing IR radiometric cameras, it sets another new standard of the first-class products for the whole industry.

## Applications

Predictive and preventative maintenance

Electricity inspections

Building diagnostics

Technical diagnostics

Veterinarian helper

Portable law enforcement

## Features and Benefits

New-generation high-performance IR detector

Intuitive detachable touch screen & remote control handle

High thermal sensitivity and precise temperature measurement

High-resolution image presentation

Real-time radiometric recording and JPEG image storage

High-speed data transfer via USB2.0

Synchronous video output on VGA LCD screen

OLED viewfinder, VGA display device & TV display device

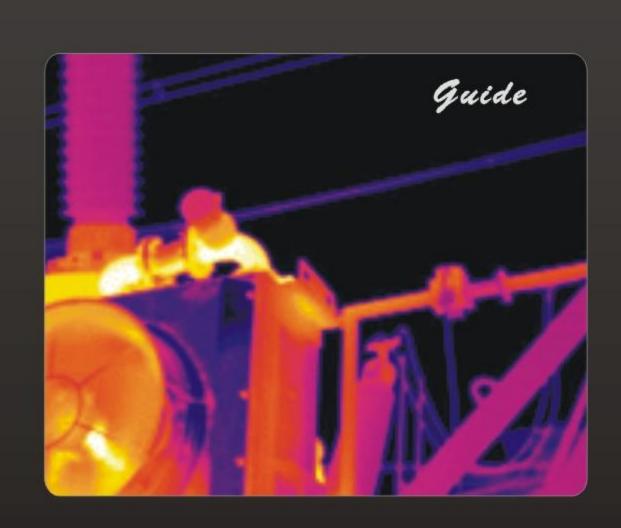
Ultra-large-capacity 2GB SD memory card

Compact architecture and intuitive touch screen control

Robust post-processing software

License free and rapid delivery





	TP8 TP8S
Imaging Performance	
Detector Type	Microbolometer UFPA 384 $ imes$ 288 pixels, 25 $\mu$ m
Spectral Range	8-14 µ m
Thermal Sensitivity	≤0.08° C at 30° C
	Standard lens 21.7° ×16.4° /25mm
Field of View(FOV) Version A	Optional wide-angle lens 44.3° x 33.9° /11.8mm
	Optional tele lens 7.8° x 5.9° /70mm
	Standard lens 15.6° ×11.7° /35mm
Field of View(FOV) Version B	Optional wide-angle lens 33.4° x 25.4° /16mm
	Optional tele lens 5.5° x 4.1° /100mm
Image Presentation	
External Display	3.5 $^{\prime\prime}$ high resolution color VGA LCD, 640 $ imes$ 480 pixels
Image Display	Thermal image alone/ Visual image alone/ Picture in
500 5000	picture/Image fusion
Measurement	
Temperature Range	-20 ℃- +800℃
	(up to +2000℃ optional) (up to +2000℃ optional)
Accuracy	$\pm 2^\circ$ or $\pm 2\%$ of reading;
Measurement Modes	Auto hot/cold spot, auto alarm for temperature above or below; spots, areas displaying either max, min, or average, vertical & horizontal line profile, delta-t, histogram & isotherm in live/zoomed/frozen/saved
	image & video
Image Storage	
Туре	Removable 2GB SD card or built-in flash memory
Voice Annotation	Up to 60 seconds per file
Laser Locator	
Classification Type	Class 2 semiconductor laser
Power System	
Battery Type	Rechargeable Li-ion Camcorder battery, field- replaceable
Battery Operating Time	Over 2.5 hours continuous operation
Environmental Specifica	ation
Operating Temperature	-20℃~+60℃(-40℃~+70℃ optional)
Storage Temperature	-20℃~+60℃(-40℃~+70℃ optional)
Interfaces	
USB 2.0	Image and real-time video ransfer to PC; Image transfer to PC
	Real-time control of the camera on PC;
Physical Characteristics	
Weight	1.1kg (including battery & LCD)
Size	186mm $ imes$ 106mm $ imes$ 83mm (standard model)