

# ThermoPro™ TP8 & TP8S

## Top-end IR Thermographic Camera



TP8S

TP8

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
<b>Imaging Performance</b>		
Detector Type	Microbolometer UFPA 384×288 pixels, 25 μ m	
Spectral Range	8-14 μ m	
Thermal Sensitivity	≤0.08° C at 30° C	
Field of View(FOV) Version A	Standard lens 21.7° ×16.4° /25mm	
	Optional wide-angle lens 44.3° x 33.9° /11.8mm	
	Optional tele lens 7.8° x 5.9° /70mm	
Field of View(FOV) Version B	Standard lens 15.6° ×11.7° /35mm	
	Optional wide-angle lens 33.4° x 25.4° /16mm	
	Optional tele lens 5.5° x 4.1° /100mm	
<b>Image Presentation</b>		
External Display	3.5" high resolution color VGA LCD, 640×480 pixels	
Image Display	Thermal image alone/ Visual image alone/ Picture in picture/Image fusion	
<b>Measurement</b>		
Temperature Range	-20 °C- +800°C (up to +2000°C optional)	-20 °C- +600°C (up to +2000°C optional)
Accuracy	±2° or ±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	
<b>Image Storage</b>		
Type	Removable 2GB SD card or built-in flash memory	
Voice Annotation	Up to 60 seconds per file	
<b>Laser Locator</b>		
Classification Type	Class 2 semiconductor laser	
<b>Power System</b>		
Battery Type	Rechargeable Li-ion Camcorder battery, field- replaceable	
Battery Operating Time	Over 2.5 hours continuous operation	
<b>Environmental Specification</b>		
Operating Temperature	-20°C~+60°C(-40°C~+70°C optional)	
Storage Temperature	-20°C~+60°C(-40°C~+70°C optional)	
<b>Interfaces</b>		
USB 2.0	Image and real-time video transfer to PC; Real-time control of the camera on PC;	Image transfer to PC
<b>Physical Characteristics</b>		
Weight	1.1kg (including battery & LCD)	
Size	186mm×106mm×83mm (standard model)	