

Superb & Simpler IR Thermographic Camera ThermoPro™ TP8S



دوربین TP8S نسخه ساده شده دوربین ThermoPro TP8 است. اختلاف این دو محدود به موارد زیر میباشد. این موارد در TP8S اقلام اختیاری محسوب میشوند:

- کنترل دوربین با فرامین صوتی (Speech Control)
- بلوتوث (ارتباط با گوشی و میکروفن به صورت بی سیم)
- برد دما -20 To +600 (-بجای +800 To -20)
- فقدان امکان ضبط فیلم ترموگرافی ویدئویی در PC

مشخصات فنی به شرح زیر است. برای اطلاعات بیشتر میتوانید بروشور TP8 را هم با توجه به اختلافهای فوق مطالعه فرمائید.

| Imaging Performance | |
|------------------------------------|--|
| THERMAL | |
| Detector type: | Uncooled FPA microbolometer (384× 288 pixels, 35µm) |
| Spectral Range: | 8-14µm |
| Thermal Sensitivity: | 0.08°C at 30°C (Frame averaging algorithm) |
| Field of View/ Focus: | 22°× 16°/ 35mm |
| Focusing: | Automatic or motorized |
| Electronic Zoom: | ×1 to ×10 continuous zoom |
| VISUAL | |
| Built- in Digital Video: | CMOS Sensor, 1280× 1024 pixels, 2 ¹⁵ colors |
| Image Presentation | |
| External Display: | 3.5" high resolution color VGA LCD, 640× 480 pixels |
| Viewfinder | 0.6" built-in high resolution color OLED, 640× 480 pixels |
| Video Output: | VGA/PAL/ NTSC switchable |
| Image Display: | Thermal image alone/ Visual image alone/ Picture in picture |
| Man-Machine Communication | |
| Remote Control Handle (optional) : | Respond as per operators' operation |
| Joystick & Buttons: | Respond as per operators' operation |
| Menu: | Microsoft® Windows style |
| Measurement | |
| Temperature Range: | -20 °C- +600°C (down to -40 °C, up to +2000°C optional) |
| Accuracy: | ±1°C or ±1% of reading |
| Measurement Modes: | Auto hot/cold spot , auto alarm for temperature above or below ; 10 movable spots,10 movable & changeable areas displaying either max, min, or average, vertical & |

| | |
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| | horizontal line profile, delta-t, histogram & isotherm in live/zoomed/frozen/saved image |
| Emissivity Correction: | Variable from 0.01 to 1.00 (in 0.01 increment) |
| Measurement Features: | Automatic correction based on distance, relative humidity, atmospheric transmission and external optics |
| Optics Transmission Correction: | Auto, based on signals from sensors |
| Image Storage | |
| Type: | Removable 2GB SD card or built-in flash memory |
| File Format: | JPEG (an individual file consists of infrared image, visual image, voice annotation and text annotation if any) |
| Voice Annotation: | Up to 60 seconds per file |
| Text Annotation: | Selected from preset texts |
| Optional Lenses | |
| Field of View/ Focus: | 7.7°× 5.8°/ 100mm 45.6°× 35°/ 16mm |
| Laser Locator | |
| Classification Type: | Class 2 semiconductor laser |
| Power System | |
| Battery Type: | Rechargeable Li-ion Camcorder battery, field-replaceable |
| Charging System: | In camera or in battery charger |
| Battery Operating Time: | Over 2.5 hours continuous operation |
| External Power Operation: | AC adapter 110/ 220 VAC, 50/ 60Hz |
| Environmental Specification | |
| Operating Temperature: | -20°C~+60°C(extended range optional) |
| Storage Temperature: | -20°C~+60°C(extended range optional) |
| Humidity: | Operating and storing 10% to 95%, non- condensing |
| Encapsulation: | IP54 IEC 529 housing |
| Shock: | Operational: 30G, IEC 68-2-29 |
| Vibration: | Operational: 3G, IEC 68-2-6 |
| Interfaces | |
| USB 2.0: | Image (thermal and visual), measurement data and voice text transfer to PC |
| RS232 communication: | Control of camera on PC |
| Man-Machine Communication | |
| Touch Screen: | Present and receive operator's commands given by touch |
| Physical Characteristics | |
| Housing: | Magnalium |
| Weight: | 0.85kg (excluding battery & LCD); 1.1kg (including battery & LCD) |
| Size: | 186mm×106mm× 83mm (standard model) |
| Tripod Mounting: | 1/4"- 20 |

