

UTi85/165/220/260 SERIES Thermal Imagers

- Real-time image transmission (UTi85A/220B/260B only)
- Visual camera (640×480) (UTi220B/260B only)
- Photograph function with SD card storage
- Temperature measurement range: -10°C~550°C
- 2.8" TFT screen
- Infrared resolution: (80 x 60) ~ (256 x 192)
- Frame rate: 9Hz~25Hz
- Accuracy: ±2°C or ± 2%
- PC software analysis
- Type-C USB interface
- 1/4" tripod mounting hole



PC software analysis

SPECIFICATION	UTi85A	UTi165A	UTi220B	UTi260B
Sensor	Uncooled focal plane array			
Temperature range	-10°C~400°C/14°F~752°F			-15°C~550°C/5°F~1022°F
Temperature resolution	0.1°C			
Accuracy	±2°C or ±2%			
Temperature measurement response time	≤500ms (95% of reading)			
Thermal resolution	4800 (80×60)	19200 (160×120)	30000 (200×150)	49152 (256×192)
Pixel dimensions	12μm			
Palettes	5	5	7	7
Bandwidth of infrared spectroscopy	8~14μm			
Field of view (FOV)	51°(H) × 38°(V)	56°(H) × 42°(V)	35°(H) × 26°(V)	56°(H) × 42°(V)
Instantaneous field of view (IFOV)	11.1mrad	6.1mrad	3.1mrad	3.8mrad
Thermal imaging sensitivity	≤150mk	<50mk	<100mk	<60mk
Frame rate	≤9Hz	≤9Hz	≤9Hz	≤25Hz
Temperature display	Center temperature measurement and high temperature tracking (default)			
Image format	BMP			
Image modes	Thermal camera	Thermal camera	Thermal camera, visible camera	Thermal camera, Fusion visible camera, PIP
Buzzer alarm	v		v	
Temperature measuring point			3 extra measuring points aside from center point	
Real-time image transmission	v		v	v
Resolution of visible camera	640×480			
Display resolution	320×240			
Data communication	Type-C USB			
Auto power off	Selectable (5min, 10min, 30min), 30min auto power off (default)			
Battery life	≥6 hours			
Charging time	≤5 hours			
Charging voltage/current	5V/2A			
Image storage	16G Micro SD card			
GENERAL CHARACTERISTICS				
Power	A single Li-ion 3.7V/5000mAh 26650 battery			
Display	2.8" TFT LCD			
Product net weight	2.2kg			
Product size	236mm x 75.5mm x 86mm			