



EN61326-1
EN60825-1



■ UTi100



■ UTi160A

SPECIFICATIONS

Specifications		
Model	UTi100	UTi160A
Sensor Type	Uncooled Focal Plane Arrays	Uncooled Focal Plane Arrays
Resolution	100 × 80 pixels	160 × 120 pixels
Field of View / Minimum Focus Distance	12°×9.4°/0.1m	20°×15°/0.1m
Spatial Resolution (IFOV)	2.2mrad	2.2mrad
Image Mode	Infrared	Infrared
Focus	Manual	Manual
Infrared Spectral Bandwidth	8~14um	8~14um
NETD	≤0.08°C@30°C	≤0.08°C@30°C
Temperature Range	-20°C~300°C	-20°C~300°C
Accuracy	±2°C or ±2% (whichever is greater)	±2°C or ±2% (whichever is greater)
Features		
Display Type	2.8" TFT LCD; Rotatable	
Palettes	Iron, Iron-Invert, Rainbow, Feather, Grey, Grey Inverted	
Image Adjustment	Auto/Manual	
Image Format	*UIR	
Video Output	Support: PAL(50Hz) or NTSC (60Hz) (With Optional Base)	
Measurement Mode	Movable Spot, Area(MAX,MIN)	
Parameters Setting	Emissivity, Distance, Temperature, Relative Humidity	
Self Temperature Calibration	Every 60 Seconds	
High/Low Temperature Alarm	✓	
Laser Pointer	✓	
Image Capture	✓	
Image Storage	2GB SD Card (Support Up to 16GB)	
Temperature Units	°C/°F	
Support Languages	English/Simplified Chinese	
Power Mode	Standard / Power Saving	
Analyzing Software	Standard Version	
Water Proof Rating	IP54	
Impact/Vibration	25G/2G	

GENERAL CHARACTERISTICS

Power	Li-ion 1250mAh
Product Color	Red and Grey
Product Net Weight	500 g
Product Size	170mm × 80mm × 160mm
Standard Accessories	Batteries, Power Charger, SD Card (2G), Card Reader, Camera Cover, Software CD
Standard Individual Packing	Gift box, Toolbox, User Manual
Standard Quantity Per Carton	5 PCs
Standard Carton Measurement	545mm × 380mm × 325mm(0.067 CBM Per Standard Carton)
Standard Carton Gross Weight	11.6 kg
Optional Accessories	Multi-purpose Dock, Power Adapter, Video Cable, 16G SD card, Vehicular Power Cord, Lens Hood, 38° Wide-angle Lens, 12°/6.4°/3.8° Tele Lens, Tailor-made Temperature Range (600°C, 1000°C, 1500°C)



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■ UTi160B



■ UTi160D

SPECIFICATIONS

Specifications		
Model	UTi160B	UTi160D
Sensor Type	Uncooled Focal Plane Arrays	Uncooled Focal Plane Arrays
Resolution	160 × 120 pixels	160 × 120 pixels
Field of View / Minimum Focus Distance	20°×15°/0.1m	20°×15°/0.1m
Spatial Resolution (IFOV)	2.2mrad	2.2mrad
Visible Light Resolution	No	640×480 Full Color
Image Mode	Infrared	Infrared/Visible Light/Fusion/PIP
Focus	Manual	Manual
Infrared Spectral Bandwidth	8~14um	8~14um
NETD	≤0.08°C@30°C	≤0.08°C@30°C
Temperature Range	-20°C~300°C	-20°C~400°C
Accuracy	±2°C or ±2% (whichever is greater)	±2°C or ±2% (whichever is greater)
Features		
Display Type	3.5" TFT LCD; Rotatable	
Palettes	Iron, Iron-Invert, Rainbow, Feather, Grey, Grey Inverted	
Image Adjustment	Auto/Manual	
Image Format	*.TIF	*.TIF, *.CCD
Video Output	Support: PAL(50Hz) or NTSC (60Hz) (With Optional Base)	
Measurement Mode	Movable Spot, Area(MAX,MIN)	4Movable Spot, Area(MAX,MIN), isothermality analysis
Parameters Setting	Emissivity, Distance, Temperature, Relative Humidity	
Temperature calculation	√	
High/Low Temperature Alarm	√	
Laser Pointer	√	
Image Capture	√	
Image Storage	2GB SD Card	
Temperature Units	°C/°F	
Flashlight	No	Yes
Support Languages	English/Simplified Chinese	
Power Mode	Standard / Power Saving / Auto Power Off	
Analyzing Software	Professional version. Analysis any temperature point and creates report in WORD format.	
Water Proof Rating	IP54	
Impact/Vibration	25G/2G	

GENERAL CHARACTERISTICS

Power	Li-ion 1250mAh
Product Color	Red and Grey
Product Net Weight	500 g
Product Size	170mm × 80mm × 160mm
Standard Accessories	Batteries, Seat Charger, SD Card (2G), Card Reader, Camera Cover, Software CD
Standard Individual Packing	Gift box, Toolbox, User Manual
Standard Quantity Per Carton	5 PCs
Standard Carton Measurement	545mm × 380mm × 325mm(0.067 CBM Per Standard Carton)
Standard Carton Gross Weight	11.6 kg
Optional Accessories	Power Adapter, 16G SD card, Vehicular Power Cord, UTi160B/D - (3.8°, 6.4°, 12°, 38° Lens), UTi380D - (9°, 12°, 48° lens) Talier-made Temperature Range (600°C, 1000°C, 1500°C Available)