

Thermal Cameras



Thermal Body Camera Dual Vision



Product Features

- 2,8”TFT display
- Thermal IR Resolution 160x120 pixels
- Total visible light camera
- Range of Temperature detection 30°C~45°C
- Accuracy $\pm 0,3^{\circ}\text{C}$
- Measurement Distance 1m
- Image acquisition and storing on SD Card
- Pc Software for data Analysis da PC
- Type C USB interface for lithium batterie recharge
- Compact size
- Set up for Tripod Mounting

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Model	TLTB1010	TLTB1000
Thermal Module		
Sensor	Uncooled amorphous silicon FPA (Focal Plane Array)	
Thermal Resolution	160x120 pixels	
Pixel Dimension	12 μ m	
Accuracy	$\pm 0.5^{\circ}\text{C}$ (25 $^{\circ}\text{C}$ ambient temperature)	
Temperature Range	30 $^{\circ}\text{C}$ ~45 $^{\circ}\text{C}$	
Optimal Measuring Distance	1m	
Response Time	$\leq 500\text{ms}$ (95% of reading)	
Palettes	Iron Red • Rainbow • Growing White Growing Black • Growing Red • Lava High-Contrast Rainbow	Black White • Red White • Blue White Iron Red • Rainbow
Bandwidth of IR Spectroscopy	8~14 μ m	
Field of View (FOV)	56 $^{\circ}$ (H) x 42 $^{\circ}$ (V)	
Instantaneous Field of View (IFOV)	6mrad	
Thermal Imaging Sensitivity	<50mk	
Temperature Measuring Point	Beside central point • 3 temperature measuring points can be added	
Frame Rate	<9Hz	
Temperature Display	Center temperature measurement and high temperature tracking (default)	
Image Format	BMP	
Image Mode	Thermal camera • Visible camera Image blending	Thermal Image

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UTI-165K

Model	TLTB1010	TLTB1000
Colour Module		
Resolution of Visual Camera	640 x 480 pixels	n.a.
	0% (total visual camera)	
Image Blending	25% • 50% • 75%	n.a.
	100%(total thermal camera)	
General Features		
Real-time Image Transmission	PC software Image projection	n.a.
PC Analysis Software	Supported	
Data Transmission	Type-C USB	
Display	2.8" TFT LCD	
Display Resolution	320 x 240 pixels	
Auto Power Off	Selectable (5min / 10min / 30min) manual • 30min auto power off (default)	
Battery Life	≥ 6 hours	
Charging Time	<5 hours	4 hours
Charging Voltage/Current	5V/2A	
Image Storage	Micro SD Card	
Leds	2 white Leds	n.a.
Power	A single Li-ion 3.7V / 5000mAh 26650 Battery	
Product Size	236 x 75.5 x 86	
Weight	455g	
Accessories		
Standard Accessories	User Manual • USB Cable • Type-C Cable • 16GB Micro SD Card	
In order to constantly improve the product, the manufacturer reserves the right to change specifications without notice		