

## PB-TB1612HH-AW

### Thermographic Handheld Camera



The thermographic handheld camera, specially designed for temperature measurement in transformer substation. The 3.5-inch touch screen displays picture in picture of optical and thermal view, fusion of both channels. It helps you quickly find the fault according to accurate temperature measurement of high temperature targets in the environment.

#### Key Feature

- 160 × 120 resolution (thermal), and 8 MP resolution (optical)
- DDE, 3D DNR, and adaptive AGC
- 640 × 480 resolution 3.5" LCD touch display
- Up to five hours continuous running

#### Function

##### Thermography

Device detects the real-time temperature, and display it on the screen.

##### Storage

Device is equipped with built-in memory module to store recorded videos, captured snapshots, and important data.

##### Fusion

Device can display fusion of thermal view and optical view.

##### Palette and Alarm

Device supports multiple palettes, and you can set the palette mode according to the alarm function

##### LED Light

LED light supplement makes the device a torch in required scenarios.

##### Laser Light Supplement

Long-distance laser light supplement to point the thermography target.

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### Thermographic Handheld Camera

Parameter		Model	PB-TB1612HH-AW
			Thermographic Handheld Camera
Thermal Module	Image sensor		Uncooled Focal Plane Arrays
	Resolution		25Hz: 160 × 120
	Pixel Pitch		17μm
	Response waveband		8μm to 14μm
	NETD		< 40 mk (@ 25 °C,F#=1.0)
	Field of View		25° × 18.7°
	Focal length		6.2 mm (Manual focus)
	IFOV		2.74 mrad
Optical Module	Aperture		F 1.1
	Picture Resolution		Configurable: 2 MP, 5 MP, 8 MP
	Video Resolution		640 × 480
Image Display	Monitor		640 × 480 resolution 3.5" LCD touch display
	Palettes		Black hot, White hot, Red hot, Rainbow, Ironbow, Fusion, Rain
	Digital Zoom		Thermal: 1×, 2×, 4×
	Thermal / Optical		Thermal/Optical/Fusion image/Picture in picture
	Picture in Picture		Support Thermal View in Optical View
	Fusion		Support (Thermal View and Optical View Combined)
	Record Video		Support on-board video recording
Thermography	Rules		Max. Temperature; Min. Temperature; Center Temperature; Custom Point/Line/Area Thermography
	Range		-20 °C to 550 °C (-4 °F to 1022 °F)
	Accuracy		Max (±2 °C, ±2%)
Battery	Battery Type		Dismountable and rechargeable Li-ion Battery
	Battery Operating Time		5 hours in normal temperature, with Wi-Fi, Bluetooth, and supplement light off. 4 hours in normal temperature, with Wi-Fi, Bluetooth, and supplement light on.
Functions	Laser Light		Support (Point to the thermography target)
	Storage		Built-in memory module (16 G)
	Photo		Thermal/Optical/Fusion image
	Video		Thermal/Optical/Fusion image
	Lighting		Support
	Wi-Fi		Support
	Text Comment		Support
	Voice Comment		Support
General	Language		English
	Power		5 VDC/2 A
	Power Consumption		Max. 4.5 W
	Hardware Interface		Type-C Interface
	Working Temperature		-10 °C to 50 °C (14 °F to 122 °F)

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### Thermographic Handheld Camera

Protection level	IP54
Drop Test Height	2 m (6.56 feet)
Dimension	244 mm × 100 mm × 104 mm (9.6" × 3.9" × 4.1")
Weight	With Battery: 653 g (1.44 lb) Without Battery: 511 g (1.13 lb)

#### Dimension

