

DS-2TP31B-3AUF

- High sensitivity sensor with 160 x 120 resolution
- High quality 320 x 240 resolution 2.4" LCD display
- Up to 4 palettes
- Wide temperature measurement range: 30°C - 45°C
- High temperature measurement accuracy: Up to $\pm 0.5^{\circ}\text{C}$
- Built-in rechargeable Li-ion battery
- Up to 8 hours continuous operation
- Note that the device is not for medical use.

▪ Specification

Infrared Image	
Image Sensor	VOx Uncooled Focal Plane Arrays
Resolution	160×120
Pixel Interval	17μm
Response Waveband	8μm to 14μm
NETD	Less than 40 mK (@25°C,F#=1.1)
Focal Length	3.1mm
Field of View	50° × 37.2° (H × V)
IFOV	5.48 mrad
Image Frequency	25 hz
Aperture	F 1.1
Image Display	
Monitor	320 × 240 resolution 2.4" LCD display
Palettes	Black hot, White hot, Rainbow, Ironbow
Measurement and Analysis	
Thermographic Range	From 30 °C to 45 °C
Accuracy	± 0.5 °C (Without Black Body)
General	
Hardware Interface	Micro USB
Power Supply	3.7 V DC/0.4 A
Power Consumption	Less than 1.2 W
Working Temperature	10 °C to 35 °C
Protection level	IP54
Weight	350 g (0.77 lb)
Dimension	196 mm × 117 mm × 59 mm (7.7 " × 4.6 " × 2.3 ")
Material	Handle : Soft TPU Screen surround: Hard PC+ABS Screen: LCD display Thermal imaging detector: VOx UFPA Lens: Germanium glass Mainboard: PCB
System Function	
Capture	Thermal image
Storage	Replaceable memory card (default 8G, support up to 128G storage)
Battery Type	Rechargeable Lithium Battery
Battery Operating Time	8 hours continuous running

▪ Available Model

DS-2TP31B-3AUF,DS-2TP31B-3AUF(CynexZone)



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