



B Series

Tool-like Thermographic IR Camera



Introduce

B series is an efficient, budget-friendly and completely equipped infrared camera. This robust and very handy high-tech system thanks to its intuitively learnable handling and user-friendly single hand operation, which makes it an ideal tool for troubleshooting electrical installations, mechanical components, buildings, process equipment, HVAC/R equipment and others.

Application

Electric inspection and diagnosis / Building inspection and diagnosis / Mechanical equipment maintenance / Manufacturing process service / Petrochemical industry maintenance

Features and Benefits

- Friendly UI, easy to use without training
- Affordable as entry level diagnostic tool
- Removable Large capacity Li-ion battery, 4 hour working time
- 3.5" large screen with no image cropping, high brightness screen to show image with no detailed information lost even outdoor or in highlight
- Rugged and compact design, metal internal structure
- Standard Micro USB interface for data transmission and charging
- Optional Wi-Fi connection with notebook or mobile

Specifications

B Series	B160V	B256V	B320V
Imaging Performance			
IR resolution	160×120	256×192	320×240
Focal Length	5mm	7mm	7mm
FOV	30°×23°	34.5°×26.5°	42.5°×32.5°
Frame rate	25Hz		
Focus	fixed		
Visible light			
Resolution	640×480		
Image Presentation			
Display	3.5" highlight LCD screen		
Screen Resolution	320×240		
Image modes	IR image , Visible image , MIF , PIP		
Digital zoom	×2 , ×4		
Color palettes	6		
Boot screen	Customized		
Measurement			
Temperature range	-20°C~350°C		
Accuracy	±2°C or ±2% of reading for ambient temperature 15°C to 35°C and object temperature above 0°C		
Measurement Analysis			
Spotmeter	Center spot		
Auto tracking	Area Tmax/Tmin tracking		
Emissivity correction	Variable from 0.01 to 1.00		
Alarm	Area Tmax/Tmin alarms		
Parameter correcting	Background temperature, distance, relative humidity		
Image Algorithm	Non-uniformity correction, brightness/contrast adjustment manually or automatically		
Image Storage			
Storage medium	Removable SD card (16G)		
Image format	JPG with temp info		
Interface			
Interface	Micro USB (for real-time image/ video transmission)		
WIFI	Yes (for data transfer and camera control)		
Power System			
Operation time	≥4h		
Charging period	4h in camera		
Battery	Rechargeable Li-ion battery (UN38.3 certification)		
Environmental Parameters			
Operating temp range	-10°C~50°C		
Storage temp range	-40°C~70°C		
Encapsulation	IP43 , 1m drop		
Humidity	10% ~ 95%		
Shock	30G IEC60068-2-27		
Vibration	10HZ~150HZ~10HZ 0.15mm IEC60068-2-6		
Weight	720g (battery included)		
Size	258mm×98mm×90mm		