



# 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	B160	B160V	B256V	B320V
<b>Imaging Performance</b>				
IR resolution	160 × 120	160 × 120	256 × 192	320 × 240
NETD	≤ 50mk			
Focal Length	11mm/F1.0	5mm/F1.2	7mm/F1.1	7mm/F1.1
FOV	20.6° × 15.5°	30° × 22°	35° × 26°	42.5° × 32.5°
IFOV	2.25mrad	3.30mrad	2.36mrad	2.33mrad
Frame rate	25Hz/9Hz			
Focus	Manual	fixed		
<b>Detector</b>				
Detector type	Vox / 7.5~14μm			
Pixel size	12μm	12μm	12μm	17μm
<b>Visible light</b>				
Resolution	N/A	640 × 480, Automatic		
<b>Image Presentation</b>				
Display	3.5" highlight LCD screen, 320 × 240			
Image modes	IR image	IR image , Visible image , MIF , PIP		
Digital zoom	×2, ×4			
Color palettes	6			
<b>Measurement</b>				
Temperature range	-20°C-650°C			
Accuracy	±2°C or ±2% of reading for ambient temperature 15°C to 35°C and object temperature above 0°C			
<b>Measurement Analysis</b>				
Spotmeter	Center spot			
Auto tracking	Area Tmax/Tmin tracking			
Emissivity correction	Variable from 0.01 to 1.00			
Alarm	Area Tmax/Tmin alarms			
<b>Storage</b>				
Storage medium	SD card ( 8G )	Removable SD card (16G)		
Image format	JPG with temp info			
Video Streaming	transferred to via USB			
<b>Interface</b>				
Interface	Micro USB (for real-time image/ video transmission )			
WIFI	N/A	Yes (for data transfer and camera control )		
<b>Power System</b>				
Battery	Rechargeable Li -ion battery, ≥4h, Automatic shut-down and sleeping mode			
<b>Environmental Parameters</b>				
Operating temp range	-10°C~50°C			
Storage temp range	-40°C~70°C			
Encapsulation	IP43, 1m drop			
Humidity	10% ~ 95%			
Shock	30g (IEC 60068-2-27)			
Vibration	10HZ~150HZ~10HZ 0.15mm IEC60068 -2-6			
Weight	740g (battery included )			
Size	258mm × 98mm × 90mm			



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