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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

Model	B160V	B256V	B320V
IR Imaging Performance			
IR resolution	160×120@12µm	256*192@12µm	320×240@17µm
Detector type	VOx/7.5~14µm		
Frame rate	25Hz/9Hz		
NETD	≤50mk		
Focal Length	3.7mm/F1.1	5mm/F1.2	7mm/F1.1
Field of view(FOV)	30°×22°	35°×26°	42.5°×32.5°
Spatial Resolution(IFOV)	3.30mrad	2.36mrad	2.33mrad
Min focus distance	1m	1m	1m
Focus	Focus-free		
Visible Camera			
Resolution	640×480, Automatic		
Image Presentation			
Display	3.5" highlight LCD screen, 320×240		
Image modes	IR image , Visible image , MIF , PIP		
Digital zoom	2X , 4X		
Color palettes	6:White Hot, Iron Red, Hot Iron, Arctic, Rainbow 1, Rainbow 2		
Level span	Auto,Semi-automatic, Manual		
Measurement			
Temperature range	-20°C-150°C , 100°C-650°C (Auto switching)		
Accuracy	±2°C or ±2%, whichever is greater (target temp ≥0°C, ambient temp is 15°C ~ 30°C)		
Spotmeter	Center spot		
Auto tracking	Area Tmax/Tmin tracking		
Alarm	Area Tmax/Tmin alarms		
Storage			
Storage medium	Removable SD card (16G)		
Image format	JPG with temp info		
Video Streaming	transferred to via USB		
Connections & Communications			
Interface	Micro USB (for real-time image/ video transmission)		
WIFI	Yes (for data transfer and camera control)		
Power System			
Battery	Rechargeable Li-ion battery, ≥4h, Automatic shut-down and sleeping mode		
Environmental Parameters			
Operating temp range	-15°C~50°C		
Storage temp range	-40°C~70°C		
Encapsulation	IP43 , 1m drop		
Weight	740g (battery included)		
Size	258mm×98mm×90mm		
Standard Accessories	Li-ion battery, Power supply adapter (5V/2A), Adapter plug, Wrist strap, USB cable,Quick Start Guide, Data Download Card, SD card(16GB)		
Optional Accessories	Li-ion Battery,Camera carrying pouch,Battery charger		

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