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Website

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Customer support

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Disclaimer

Specifications subject to
change without further
notice. Please refer to
enquiry@guide-infrared.com
with any questions.



Specifications

Model	B160	B160V	B256V	B320V
Imaging Performance				
Detector type	VOx UFPA			
Spectral range	8~14μm			
Pixel size	25μm	17μm		
IR resolution	160×120	160×120	256×192	320×240
NETD	≤50mk			
Field of view(FOV)	20.6°×15.5°	30°×23°	34.5°×26.5°	42.5°×32.5°
Focal length	11mm/ F1.0	5mm/ F1.2	7mm/ F1.1	7mm/ F1.1
IFOV	2.25 mrad	3.30mrad	2.36mrad	2.33mrad
Frame rate	25Hz/ 9Hz			
Focus	Manual	Fixed		
Digital Zoom	2×, 4×			
Visible Camera				
Resolution	N/A	640×480		
Focus	N/A	Automatic		
Image Presentation				
Display	3.5" LCD screen			
Resolution	320×240			
Viewing angle	60°			
Color depth	24bits			
Aspect ratio	4:3			
Display technology	TFT			

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Brightness adjustable	Yes	
Image type	IR	IR/ Visible/ MIF/ PIP
Color Palettes	6	
Image adjustment	Non-uniformity correction, automatic/manual brightness and contrast adjustment	
Measurement Features		
Temperature range	-20°C~+350°C	
Accuracy	±2°C or ±2% of reading for ambient temperature 15°C ~35°C, and object temperature above 0°C	
Measurement Analysis		
Spotmeter	Center spot	
Area	1(immovable)	
Isotherm	Above, Below	
Auto tracking	Area Tmax/Tmin tracking	
Alarm	Area Tmax/Tmin alarms	
Emissivity correction	Yes: variable from 0.01 to 1.00	
Reflectivity correction	Yes	
Ambient temperature correction	Yes	
Relative humidity correction	Yes	
Distance correction	Yes	
Storage		
Image format	JPG with temp info	
Storage media	Removable SD card	
Video Streaming	via USB	
Interface		
Interface	Micro USB 2.0	
SD Card	8G	16G
Wi-Fi	N/A	Yes
Power System		
Battery	Rechargeable Li-ion battery (UN38.3 certification)	

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Battery voltage	7.4V
Battery capacity	2300mAH
Operation time	≥4h
Charging temperature	10°C~35°C
Charge system	In camera or on separate charger
Power supply	5V
Charging period	4h in camera, 5h in dual-bay charger
Power management	Automatic shut-down and sleeping mode
Environmental Parameters	
Operating temperature range	-10°C~50°C
Storage temperature range	-40°C~70°C
Humidity	10%~ 95%
Encapsulation	IP43
Drop test	1m
Shock	30g (IEC 60068-2-27)
Vibration	10Hz~150Hz~10Hz 0.15mm (IEC 60068-2-6)
Certification	CE, FCC, ROHS
Physical Characteristics	
Weight	740g (battery included)
Dimensions	258mm×98mm×90mm
Color	Yellow-grey
Battery weight	140g
Battery size	117mm×41mm×46mm
Shipping Information	

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Packaging contents	◆ Infrared camera with lens	
	◆ Standard accessories	
	· Li-ion Battery (×1 for B160V,×2 for else)	
	· Power Adapter	×1
	· Adapter Plug	×1
	· Wrist Strap	×1
	· USB Cable (2m)	×1
	· Quick Start Guide	×1
	· User Manual	×1
	· Product CD	×1
· SD Card(8G for B160,16G for else)	×1	
◆ Optional accessories		
· Li-ion Battery		
· Camera Pouch		
· Charging Dock		
· Wi-Fi SD Card(8G, replace SD Card 8G)		

Pictures of Contents



Infrared camera with lens



Power Adapter



Adapter Plugs



Li-ion Battery



USB Cable (2m)



Wrist Strap



SD Card(16G)



SD Card(8G)



Wi-Fi SD Card (8G)



Quick Start Guide



User Manual



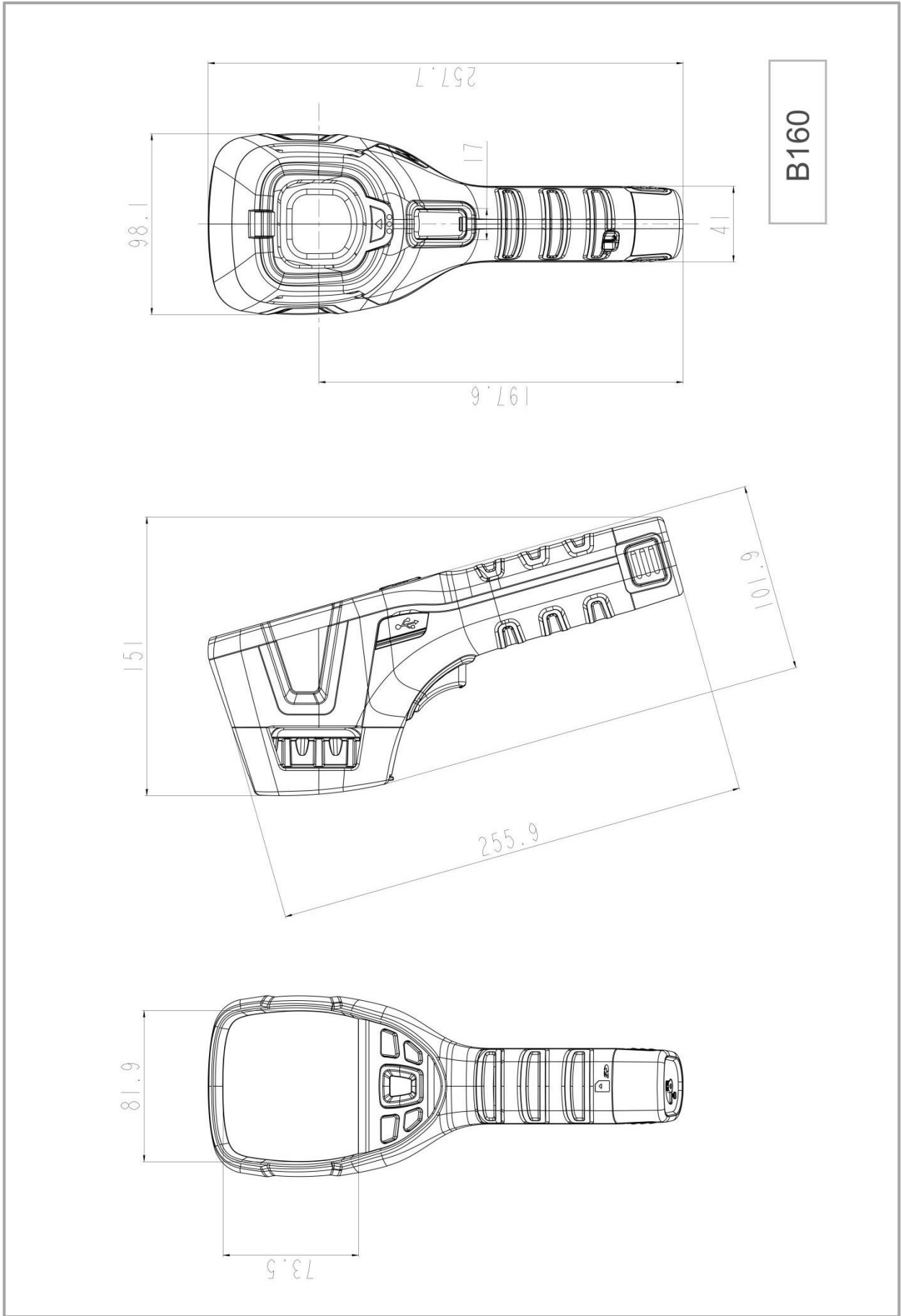
Product CD

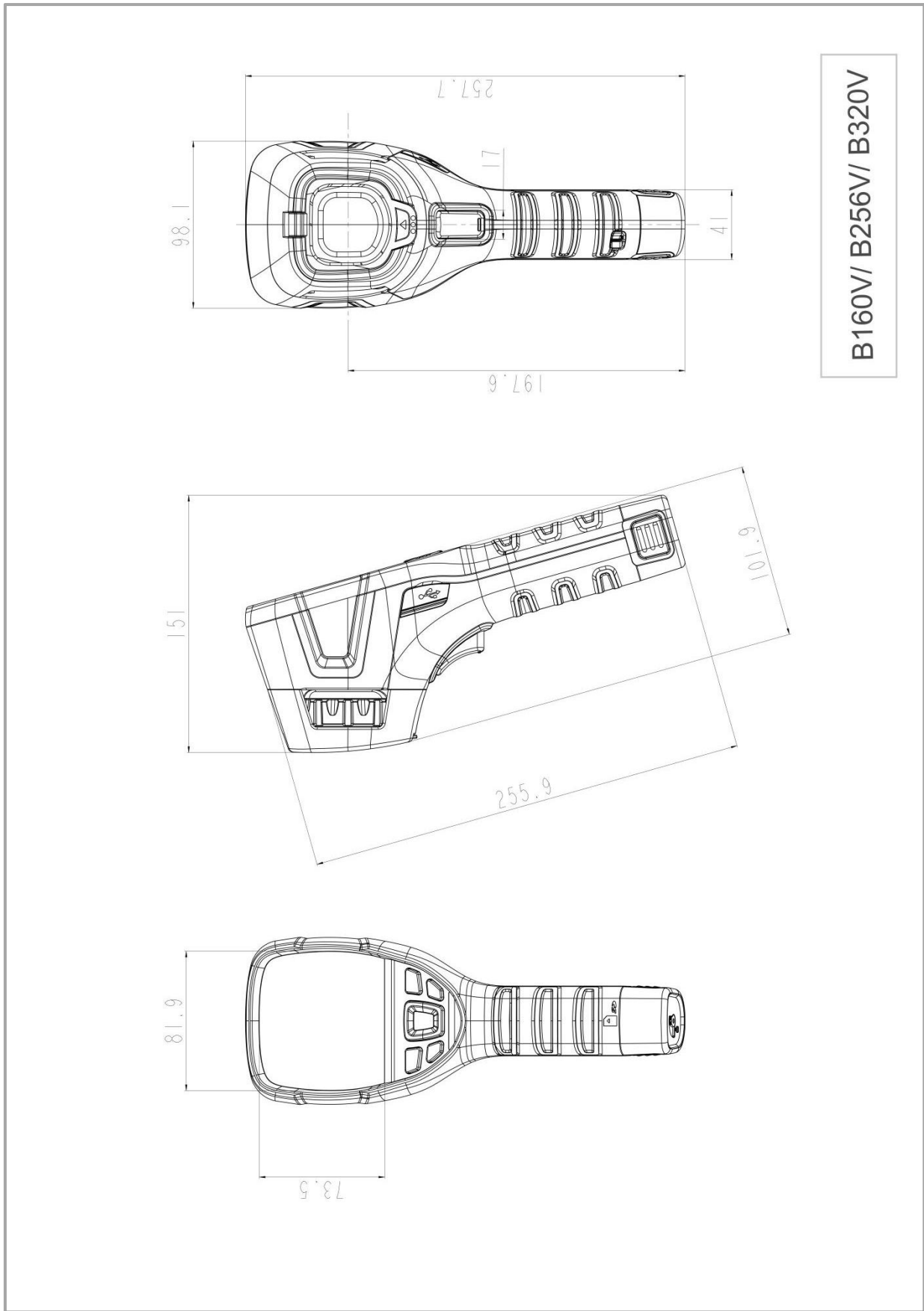


Camera Pouch



Charging Dock





B160V/ B256V/ B320V