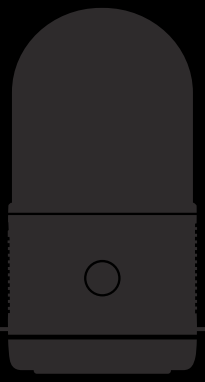
Leica Geosystems BLK

LEICA BLK360 SE

REALITY CAPTURE. NOW.

LEICA BLK360 SE

IMAGING LASER SCANNER



GENERAL

Imaging scanner	3D scanner with integrated HDR spherical imaging system

PERFORMANCE

3D point accuracy*	4 mm @ 10 m
Speed	Less than 1 minute for complete full-dome scan and spherical LDR image at 25 mm @ 10 m resolution

SCANNING

Laser scanning system	High speed time-of-flight, enhanced by Waveform Digitising (WFD) technology
Range*	Minimum 0.5 m - up to 45 m
Point density modes	3 user selectable resolution settings (6/12/25 mm @ 10 m)
Field-of-view	360° (horizontal) / 270° (vertical)
Distance measurement system	High speed time of flight enhanced by Waveform Digitizing (WFD) technology
Laser class	1 (in accordance with IEC 60825-1:2014)
Wavelength	830 nm

DIMENSIONS & DESIGN

Dimensions	Height: 155 mm Diameter: 80 mm
Weight	0.75 kg (0.85 kg incl. battery)
Housing	Black anodized aluminium

POWER

Battery type	Internal, rechargeable Li-Ion battery (Leica GEB825)

IMAGING

Camera system	Four 13 Mpixel, calibrated RGB cameras to collect LDR and HDR 360° spheric images.
Camera resolution	104 Mpx
Field-of-view	Vertical: 270°, Horizontal: 360°
Image modes	• Auto-exposed LDR • 5-brackets HDR • Off - scanning only

OPERATION

Standalone operation	One-button operation
Wireless communication	Integrated wireless LAN (802.11 b/g/n)
Internal memory	180 GB (up to 1500 setups)
Instrument orientation	Upright and upside down
Data transfer	Wireless and USB 3.0

ENVIRONMENTAL

Robustness	Designed for indoor and outdoor use
Operating temperature	0° C to + 40° C
IP Rating	IP54 (IEC 60529)

SOFTWARE

Mobile	Leica Cyclone FIELD 360 BLK Live
Desktop	PinPoint Leica Cyclone REGISTER 360 PLUS - BLK Edition

* At 78% albedo

All specifications are subject to change without notice.

All accuracy specifications are one sigma unless otherwise noted.

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