



Leica BLK
Geosystems

LEICA BLK2GO PULSE

BE INTUITIVE



LEICA BLK2GO PULSE

HANDHELD FIRST-PERSON SCANNER

DESIGN & PHYSICAL

Housing	Black anodized aluminium and rubber cover
Dimensions	Height: 282 mm / Diameter: 80 mm
Weight	750 g (850 g including battery)
Transport cover	BLK2GO PULSE transportation case

OPERATION

Stand-alone operation	One-button operation
Mobile device	<p>BLK Live app for iOS and Android including:</p> <ul style="list-style-type: none">• Live 2D and colorized 3D view• Colorized first-person view while and after scanning• Smart sensor feedback & guidance• Device status & remote control• Data export: .e57, .jpg, .csv• Direct data upload to Reality Cloud Studio, powered by HxDR <p>Android 10.0 or higher on 64-bit ARM architecture with 64-bit operating system and at least 4GB of RAM. Recommended devices: Samsung Galaxy S22, S23 series.</p> <p>iOS16 or higher with 64-bit operating system and at least 4GB of RAM. Recommended devices: iPhone 12, 13, 14, 15 series</p>
Communication	Wireless (app connection)
Internal memory	40 hours of scanning (compressed data) 20 hours of scanning (uncompressed data)
Battery	Exchangeable, rechargeable Li-Ion battery (Leica GEB821) 40-45 minutes

SCANNING & IMAGING

Time-of-Flight LiDAR	
No. of sensors	2
Field of view	210° (horizontal) / 85° (vertical)
Spatial resolution	7,816 laser spots
Frame rate	5 fps
Scan pattern	Homogeneous hexagonal grid
Measurement range	Min. 0.5 - up to 10 m
Laser class	1
Wavelength	940 nm (invisible)
High resolution camera:	
No. of cameras	1
Field of view	90° (horizontal) / 120° (vertical)
Resolution	12 Mpixel
Panoramic vision system:	
No. of cameras	3
Field of view	300° (horizontal) / 135° (vertical)
Resolution	4.8 Mpixel

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SYSTEM PERFORMANCE (GRANDSLAM BASED)

Range noise * **

Real-time: +/- 15 mm

Post-processed: +/- 5 mm

Accuracy indoor *** +/- 2 cm

ENVIRONMENTAL

Robustness Designed for indoor use

Operating temperature 0 to +40 °C

Dust & humidity protection IP54 (IEC 60529)

DATA PROCESSING

Data transfer Wireless and USB 3.0

Desktop software Leica Cyclone REGISTER 360 PLUS and Cyclone REGISTER 360 PLUS (BLK Edition)

Cloud software Reality Cloud Studio, powered by HxDR

All specifications are subject to change without notice.

All accuracy specifications are one sigma unless otherwise noted.

*at 78% albedo

**environment dependent

***controlled environment (scan duration 3 minutes)

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