

S.C. TOP GEOCART S.R.L. – Distribuitorul Autorizat in Romania al Leica Geosystems



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- when it has to be right



LEICA BLK2GO

REALITY CAPTURE. HANDHELD.



LEICA BLK2GO

HANDHELD IMAGING LASER SCANNER

DESIGN & PHYSICAL

Housing	Black anodized aluminium
Dimensions	Height: 279 mm / Diameter: 80 mm
Weight	650 g (775 g including battery)
Transport cover	BLK2GO transportation case

OPERATION

Stand-alone operation	One-button operation
Mobile device	BLK2GO Live app for iPhone (iOS 12.1 or later) including: live 2D and 3D visualization while scanning, device status and data management
Communication	Wireless (app connection)
Internal memory	24 hours of scanning (compressed data) / 6 hours (uncompressed data)
Battery	Exchangeable, rechargeable Li-Ion battery (Leica GEB821) 45-50 minutes

LIDAR & IMAGING

Laser class	1 (in accordance with IEC 60825-1)
Wavelength	830 nm
Field of view	360° (horizontal) / 270° (vertical)
Range	Min. 0.5 - up to 25 m
Point measurement rate	420,000 pts/sec
High resolution camera	12 Mpixel, 90° x 120°, rolling shutter
Panoramic vision system	3-camera system, 4.8 Mpixel 300° x 135°, global shutter

SYSTEM PERFORMANCE (SLAM BASED)

Relative accuracy* **	6-15 mm
Absolute position accuracy indoor * ***	20 mm

ENVIRONMENTAL

Robustness	Designed for indoor and outdoor use
Operating temperature	+5 to +40 °C
Dust & humidity protection	IP54 (IEC 60529)

DATA PROCESSING

Data transfer	Wireless and USB 3.0
Desktop software	Leica Cyclone REGISTER 360 and Cyclone REGISTER 360 (BLK Edition)

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 2 minutes)

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LEICA BLK360

CAPTURING REALITY AT
THE PUSH OF A BUTTON



LEICA BLK360

IMAGING LASER SCANNER



GENERAL

Imaging scanner 3D scanner with integrated spherical imaging system and thermography panorama sensor system

DESIGN & PHYSICAL

Housing Black anodized aluminium
 Dimensions Height: 165 mm / Diameter: 100 mm
 Weight 1kg
 Transport cover Hood with integrated floorstand
 Mounting mechanism Button-press quick release

OPERATION

Stand-alone operation One-button operation
 Remote operation iPad app, Apple iPad Pro® 12.9"/iOS 10 or later
 Wireless communication Integrated wireless LAN (802.11 b/g/n)
 Internal memory Storage for > 100 setups
 Instrument orientation Upright and upside down

POWER

Battery type Internal, rechargeable Li-Ion battery (Leica GEB212)
 Capacity Typically >40 setups

SCANNING

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
 Field of view 360° (horizontal) / 300° (vertical)
 Range* min. 0.6 - up to 60 m
 Point measurement rate up to 360'000 pts / sec
 Ranging accuracy* 4mm @ 10m / 7mm @ 20m
 Measurement modes 3 user selectable resolution settings

IMAGING

Camera System 15 Mpixel 3-camera system, 150Mpx full dome capture, HDR, LED flash Calibrated spherical image, 360° x 300°
 Thermal Camera FLIR technology based longwave infrared camera
 Thermal panoramic image, 360° x 70°

PERFORMANCE

Measurement speed < 3 min for complete full dome scan, spherical image & thermal image
 3D point accuracy* 6mm @ 10m / 8mm @ 20m

ENVIRONMENTAL

Robustness Designed for indoor and outdoor use
 Operating temperature +5 to +40° C
 Dust/Humidity Solid particle/liquid ingress protection IP54 (IEC 60529)

DATA ACQUISITION

Live image and scanned data streaming
 Live data viewing and editing
 Automatic tilt measurements

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