



Leica BLK360

Reality capture. Now.

Never miss a measurement with this compact, powerful scanner

The Leica BLK360 is the world's smallest and fastest imaging laser scanner. Capture a complete laser scan and high-resolution 360° panoramic image in less than 20 seconds. Document spaces quickly, verify on-site, and leave knowing you have everything you need to create high-quality 3D point clouds to use in BIM, CAD, and 3D tools.

Designed for every workflow

The BLK360 simplifies scanning and measuring for both experienced professionals and new users with single-button scanning and advanced app integration. Its built-in Visual Inertial System (VIS) also automatically combines scans in the field, helping you work more efficiently, streamlining your workflow from first capture to final output.

General	
Imaging scanner	3D scanner with integrated high-speed HDR spherical imaging system and Visual Inertial System (VIS) for real-time pre-registration
Performance	
3D point accuracy*	4 mm @ 10 m
Speed	< 20 sec. for complete full dome scan and spherical LDR image at 50 mm @ 10 m resolution
Visual Inertial System (VIS)	Video enhanced inertial measuring system to track movement of the scanner position relative to the previous setup in real-time.
Scanning	
Laser scanning system	High speed time-of-flight, enhanced by Waveform Digitising (WFD) technology
Point measurement rate	Up to 680,000 pts/sec
Range*	Minimum 0.5 m - up to 45 m
Point density modes	4 user selectable resolution settings (6/12/25/50 mm @ 10m)
Field-of-view	360° (horizontal) / 270° (vertical)
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 anodised 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.
Field-of-view	360° (horizontal) / 270° (vertical)
Camera resolution	104 Mpx
Image modes	• Auto exposed LDR • 5-bracket 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-C
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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