



LEICA BLK360 IMAGING SCANNER

3D REALITY. NOW.



BLK360 PRODUCT SPECIFICATIONS

GENERAL

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

All specifications are subject to change without notice.
All accuracy specifications are one sigma unless otherwise noted.
* at 78% albedo

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