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
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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