

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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