

BLK360

Escáner láser

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 Wav form 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