Leica Geosystems BLK

LEICA BLK ARC

AUTONOMOUS LASER SCANNING MODULE

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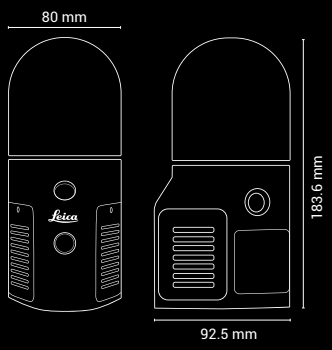

DESIGN & PHYSICAL

Housing	Black powder coated aluminium
Weight	690 g
Height	183.6 mm
Front to back	92.5 mm
Diameter	80 mm

OPERATION

BLK ARC-UI	Browser-based mission control user interface. Requires additional installation on a supported robotic carrier.
Communication	USB 3.0 and Wireless (BLK ARC-UI connection)
Internal memory	24 hours of scanning (compressed data) / 6 hours (uncompressed data)

LiDAR & IMAGING

Laser class	1 (in accordance with IEC 60825-1)
Wavelength	830 nm
Field of view	360° (horizontal) / 270° (vertical)
Range	Min. 0.5 - up to 25 m
Point measurement rate	420,000 pts/sec
High resolution camera	12 Mpixel, 90° x 120°, rolling shutter
Panoramic vision system	3-camera system, 4.8 Mpixel 300° x 135°, global shutter

DYNAMIC SYSTEM PERFORMANCE (GRANDSLAM BASED)

The following specifications apply to mobile scanning mode only:

Range noise * **	+/-3 mm
Accuracy indoor ***	+/-10 mm

ENVIRONMENTAL

Robustness	Designed for indoor and outdoor use
Operating temperature	0 to +40 °C
Dust & humidity protection	IP54 (IEC 60529)

DATA PROCESSING

Data transfer	Wireless and USB 3.0
Desktop software	Leica Cyclone REGISTER 360 and Cyclone REGISTER 360 (BLK Edition), HxDR cloud-based platform

All specifications are subject to change without notice. All accuracy specifications are one sigma unless otherwise noted.
* at 78% albedo
** environment dependent
*** controlled environment (scan duration 2 minutes)

Static mode specs coming soon.

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