



*Leica* BLK  
Geosystems

# LEICA BLK ARC

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AUTONOMOUS LASER SCANNING MODULE

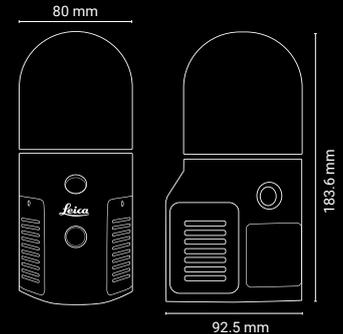


# LEICA BLK ARC

## AUTONOMOUS LASER SCANNING MODULE

### 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 360° x 135°, global shutter

### DYNAMIC SYSTEM PERFORMANCE (GRANDSLAM BASED)

The following specifications apply to mobile scanning mode only:

Range noise * **	+/-3 mm (dynamic) +/-2 mm (static)
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 PLUS and Cyclone REGISTER 360 PLUS (BLK Edition)
Cloud software	Reality Cloud Studio, powered by HxDR

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)

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