

Terrestrial Laser Scanners

BLK360 - RTC360 LT - RTC360

Product differentiation



3D Reality Capture



LEICA BLK360

The **BLK360** is ideal for relatively small-scale reality capture applications where images are as important as accurate 3D data. The BLK360, though suitable for outdoor operation, is **optimised for indoor applications** with short ranges and that require **maximum portability** in highly congested areas. Due to its simplicity, it easily can be adopted by users who are absolutely not familiar with scanning so far.



LEICA RTC360 LT

The **RTC360 LT** is the ideal starting point and the most affordable solution among the ultra-high speed laser scanners from Leica Geosystems. Scanning at 1 million points per second and including HDR imagery, the RTC360 LT out-performs the competition in terms of productivity, even without VIS technology to automatically pre-register like the RTC360. Captured scan data can still be pre-registered when used in conjunction with Cyclone FIELD 360 pre-align feature.



LEICA RTC360

The **RTC360** is a scalable solution for varying sizes of projects, from basic to complex. It is designed with simple and **highly automated workflows** in mind. Innovative VIS technology allows **automatic pre-registration** in the field, reducing the complexity and time of your office work. It meets the needs in between the ScanStation P-Series and BLK360, and provides its own class of solution for construction, plant and public safety.

leica-geosystems.com



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Leica
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PART OF
HEXAGON

Terrestrial Laser Scanners



LEICA BLK360



LEICA RTC360 LT



LEICA RTC360

	LEICA BLK360	LEICA RTC360 LT	LEICA RTC360
Laser class	1	1	1
Wavelength	830nm (invisible)	1550nm (invisible)	1550nm (invisible)
Measurement principle	TOF / WFD	TOF / WFD	TOF / WFD
Beam divergence	0.4mrad	0.5mrad	0.5mrad
Beam diameter at exit	2.25mm	6mm	6mm
Minimum & maximum range	0.6m - 60m	0.5m - 130m	0.5m - 130m
Speed	360,000 pt/s	1,000,000 pt/s	2,000,000 pt/s
Range accuracy	4mm @ 10m 7mm @ 20m	1.0 mm + 10 ppm	1.0 mm + 10 ppm
Field of View			
- Vertical:	300°	300°	300°
- Horizontal:	360°	360°	360°
Angular Accuracy			
- Vertical:	40"	18"	18"
- Horizontal:	40"	18"	18"
Rotation speed	-	Max 100Hz	Max 100Hz
Point spacing	20mm @ 10m 10mm @ 10m 5mm @ 10m	12mm @ 10m 6mm @ 10m 3mm @ 10m	12mm @ 10m 6mm @ 10m 3mm @ 10m
Tilt sensor:			
- Type	IMU	IMU	IMU
- Range	Any tilt	Any tilt	Any tilt
- Accuracy	0.3° at 5°	3'	3'
Camera	Internal, HDR	Internal, HDR	Internal, HDR
Data storage	Internal 32GB	External 256GB USB	External 256GB USB
Laser plummet	No	No	No
Communication	Integrated 802.11 b/g/n WLAN with MIMO	Integrated 802.11 a/b/g/n WLAN	Integrated 802.11 a/b/g/n WLAN
Power supply:			
- Battery	1 internal, Li-Ion	2 internal, Li-Ion, hot swappable	2 internal, Li-Ion, hot swappable
- Operating time	> 40 setups per battery	> 3.5h (2 batteries)	> 3.5h (2 batteries)
Ambient conditions:			
- Operating temperature	+5°C to +40°C	-5°C to +40°C	-5°C to +40°C
- Storage temperature	-25°C to +70°C	-40°C to +70°C	-40°C to +70°C
- IP rating	IP54	IP54	IP54
Weight:			
- Without battery	1.00 kg	5.35 kg	5.2 kg
- With battery	1.10 kg	6.03 kg	6.01 kg

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