

## X-PAD Office Fusion & 3D Laser Scanners

BLK2GO

TIME FOR FUSION,  
Multiple sensors, One platform



Scan to find out more about our  
**X-PAD Office Fusion  
Software**



[geomax-positioning.com](https://geomax-positioning.com)

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## SOFTWARE MODULES

X-PAD Office Fusion is a software solution that offers you different modules in one platform, presented in a simple and intuitive way.

### X-SCAN NEXT: THE POINT CLOUDS MODULE

X-SCAN Next module allows for seamless handling of point cloud data, delivering excellent results even with complex and large project deliverables. It offers improved processing time, visualisation, and registration tools, enhancing efficiency and accuracy. X-SCAN Next contains an auto-alignment feature that works for both target-based and targetless applications.

### X-PHOTO: THE IMAGE PROCESSING MODULE

The image processing modules enable you to process images and generate point clouds and 3D surfaces quickly and accurately. For complex projects, you can process both aerial and terrestrial photos simultaneously, and in a single step, to achieve the best results, in the highest quality. The results are fully integrated into the X-PAD Office Fusion main applications, letting you create final drawings, maps and surfaces.

### BIM CONNECT MODULE

Load and manage IFC files, extract elements for stake-out, and check as-built data with field measurements in the most efficient way.

### X-TOPO: THE TOPOGRAPHIC MODULE

The X-TOPO module allows you to import measurements from your instruments and have full control of all the information to verify, at any time, the quality of your work. It calculates and solves all types of surveys, GNSS, total station, digital level and mixed with the least squared algorithms for precise calculation. From topographic points or point clouds, it is possible to create 3D models, contour lines, calculate cross-sections and volumes using several methods. Powerful tools and options allow you to customise the final drawings to obtain the best results possible for your customers.

## MINIMUM HARDWARE REQUIREMENTS

### Design & Physical

Housing	Black anodized aluminium
Dimensions	Height: 279 mm / Diameter: 80 mm
Weight	650 g (775 g including battery)
Transport cover	BLK2GO transportation case

### Operation

Stand-alone operation	One-button operation
Mobile device	BLK2GO Live app for iPhone (iOS 12.1 or later) including: live 2D and 3D visualisation while scanning, device status and data management

Communication	Wireless (app connection)
Internal memory	24 hours of scanning (compressed data) / 6 hours (uncompressed data)

Battery	Exchangeable, rechargeable Li-Ion battery (Leica GEB821) 45-50 minutes
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### 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

### System Performance (Slam based)

Relative accuracy	6-15 mm
Absolute position accuracy indoor	20 mm

### Environmental

Robustness	Designed for indoor and outdoor use
Operating temperature	+5 to + 40°C
Dust & humidity protection	IP54 (IEC 60529)

### Data processing

Data transfer	Wireless and USB 3.0
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Compatibility X-Scan Next and Leica Geosystems Laser Scanners	The laser scanners from Leica Geosystems (BLK360, RTC360, BLK2GO) and third parties have a direct integration with X-Scan Next.
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Third-party laser scanner data can be imported using a compatible format.



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**Distance meter (Prism Mode):** Laser class 1 in accordance with IEC 60825-1 resp. EN 60825-1; Laser plummet: Laser class 2 in accordance with IEC 60825-1 resp. EN 60825-1,



**Distance meter (Non-Prism Mode accXess):** Laser class 3R in accordance with IEC 60825-1 resp. EN 60825-1