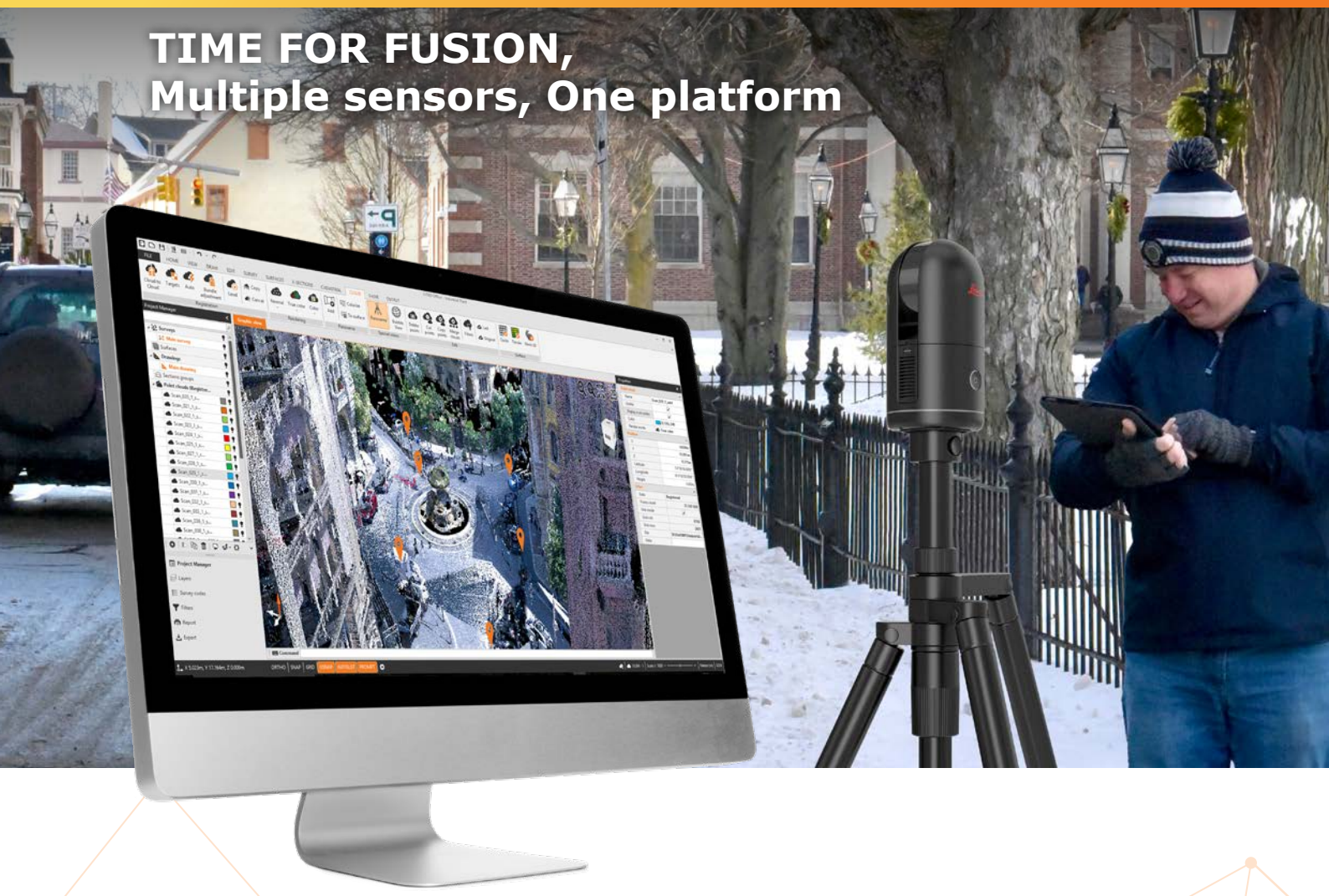
GEOMAX

Works when you do

X-PAD Office Fusion & 3D Laser Scanners

BLK360 G2



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

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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: 155 mm / Diameter: 80 mm
Weight	0.75 kg (0.85 kg incl. battery)
Transport cover	GVP739
Mounting mechanism	Button-press quick release
Operation	
Stand-alone operation	One-button operation
Wireless communication	Integrated wireless LAN (802.11 b/g/n)
Internal memory	Storage for > 1500 setups
Instrument orientation	Upright and upside down
Power	
Battery type	Internal, rechargeable Li-Ion battery (Leica GEB825)
Capacity	Up tp 70 setups per battery
Scanning	
Distance measurement	High speed time of flight enhanced by Waveform Digitizing (WFD) technology
Laser class	1 (in accordance with IEC 60825-1:2014)
Wavelength	830 nm
Field of view	360° (horizontal) / 270° (vertical)
Range	min. 0.5 - up to 45 m
Point measurement rate	up to 680’000 pts / sec
Measurement modes	4 user selectable resolution settings
Imaging	
Camera System	13 Mpixel 4-camera system captures 104 Mpixel raw data for calibrated 360° x 270° spherical image
Performance	
Measurement speed	< 20 sec. for complete full dome scan and spherical LDR image at 50 mm @ 10 m resolution with automatic tilt measurements
3D point accuracy	4 mm @ 10 m
Real-time pre-registration	Automatic point cloud alignment based on real-time tracking of scanner movement between setups based on Visual Inertial System (VIS) by video-enhanced inertial measurement unit
Environmental	
Robustness	Designed for indoor and outdoor use
Operating temperature	0° C to + 40° C
Dust / Humidity	Solid particle/liquid ingress protection IP54 (IEC 60529)
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. Third-party laser scanner data can be imported using a compatible format.

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GEOMAX Authorised Distribution Partner

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