

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

BLK3D

TIME FOR FUSION,  
Multiple sensors, One platform



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



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## BLK3D

### 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.



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# GEOMAX

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### MINIMUM HARDWARE REQUIREMENTS

#### TECHNOLOGY

Operating system	Android 7.1.2 (Nougat)
Processor	Snapdragon 820E QuadCore (2.35GHz)
(with integrated GPU)	
RAM Memory	4 GB
Internal Storage	64 GB
Screen	5.0" IPS, HD 720x1280 LCD capacitive multi-touch screen, chemically strengthened, brightness: 450 cd/m <sup>2</sup>
Stereo camera	Pixels: 2 x 10 MP (15.8 cm diagonal base line) Field of view: 80° Focal length: 4.0 mm (22 mm in 35 mm equiv. in 1:1) Aperture: F3.0
EDM camera	Pixels: 2 MP Field of view: 14°
I/O	USB Type-C 1.0 for data transfer and charging (waterresistant), integrated speaker and microphone
Keyboard	Three physical buttons (Power, Laser/Photo capture, Photo capture), four touch buttons (Back, Home, Recents, Laser/Photo capture)
Additional sensors	Compass, 3D accelerometer and 3D gyroscope
Laser class	2
Laser type	655 nm, 0.95 mW

#### Design & Physical

Dimensions	180.6 x 77.6 x 27.1 mm (7.11 x 3.06 x 1.07 in)
Weight	480 g (17 oz) (including battery)
Temperature range	Storage: -25 to 60°C (-13 to 140°F) Operation: -10 to 50°C (14 to 122°F) Charging: 0 to 40 °C (32 to 104 °F)

#### Operation

Operating time	Typical capture: 4h/220 multi-shot captures Continuous capture: 2.5h/1000 single-shot captures Laser measurements: 6.5 h / 9500 laser measurements Auto power off: after 3h in sleep mode
Charge time	< 3.5 h (with AC adaptor)
Power management	AC adaptor (input: 100-240 V AC) Rechargeable battery pack Li-ion (3.80 V, 3880 mAh, 14.7 Wh)
Battery	

#### Laser distance measurement

Accuracy with favourable conditions	± 1.0 mm (0.04 in)
Accuracy with unfavourable conditions	± 2.0 mm (0.08 in)
Range with favourable conditions	250 m (820 ft)
Range with unfavourable conditions	120 m (394 ft)
Smallest unit displayed	0.1 mm (1/32 in)
X-Range Power Technology	Yes
Ø laser point at distances	6 / 30 / 60 mm (10 / 50 / 100 m)



**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