



3D Measuring System

Micro Robotic Solution with MasterPlan

Measurements and setup have never been so simple and fast. With an easy setup, the intuitive X-PAD MasterPlan Android software and the one-man operation, Zoom3D

will speed up your daily work indoors and outdoors and bring the plan into the field.

Works when you do

Get started with Zoom3D

With a few steps you are ready to measure. Place your Zoom3D on any stable flat surface or on the tripod. Turn it on. The Zoom3D levels automatically. Connect it to your mobile device, start X-PAD MasterPlan and be ready to measure within short!

Precise targeting and measuring guaranteed

No matter if in dark or sunlight conditions, targeting on hidden points, over short or long distances up to 50 metres, X-PAD MasterPlan offers many intelligent features to target the aimed point precisely.

By one key press the point is measured and visualised on your screen.

For construction professionals looking for one solution that allows them to work in a flexible and simple-to-operate manner, X-PAD MasterPlan is the solution that helps to modernise their business and improve their workflows efficiency.

Unlike other offerings in the market, the GeoMax X-PAD MasterPlan is a smart, straightforward tool, ideal for outdoor and indoor tasks that creates the plan in the field.

Auto edge detection

Precisely aiming for an edge or a corner used to be challenging because of wall color or lighting conditions. With the X-PAD Masterplan, though, there is no need to worry - the exact point is automatically measured for you.





Getac

Survey [5 an]

1.791m

Measure line next point

Line

Store

Delete

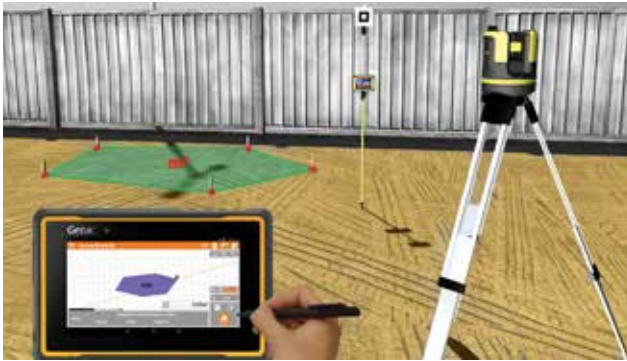
Insert

Front view

DIST

Area and Volume

Measure and draw a surface to know directly in the field what is a specific area. X-PAD MasterPlan also enables to calculating a volume and the cut/fill portions.



Jobsite checks

Zoom3D and X-PAD MasterPlan are ideal for all daily construction site tasks. The software includes a full set of tools to check distances, slopes and angles at the construction site. Using the pole with the target, you can easily calculate the height difference between the measured point, a horizontal or sloped reference plane.

One-man layout

X-PAD MasterPlan includes an easy-to-use but powerful stakeout tool for the site layout.

Save time and resources and upgrade your Zoom3D to a micro robotic solution for one-man operations.

X-PAD MasterPlan is featured with a target recognition technology, automatically aiming and tracking the target mounted on a standard pole.



Works when you do

Automatic line and surface scans

When geometry becomes complex and surfaces are curved, Zoom3D measures horizontal, vertical and sloped sections automatically.

Projection on surfaces

Position and stakeout a rectangular grid of points on a reference surface, a set of points or a generic drawing previously imported. Zoom3D will guide you automatically to all points.

As-built and drawing in one step

Measure and draw the 3D environment in the field quickly and easily, and then export the result in DXF or ASCII format. Draw 2D and 3D elements with the best results using the X-PAD MasterPlan full range of drawing tools.

Your perfect partner for indoor applications.

Easy levelling, plumbing points and staking out - the Zoom3D unique and user-friendly onboard software comes with a full set of features that will speed up your interior applications.

Get fast and exact results - data can be easily exported in the most common data formats and all at the best price-to-performance.





Goniometer

Measurement range	Horizontal 360°; vertical 250°
Accuracy	5", equates to 1.2 mm @ 50 m

Laser Distance Metre

Type	Coaxial, visible red laser
Measurement range	0.5 - 50 m
Laser class	2
Laser type	650 nm; < 1mW
∅ laser dot (at distance)	10 m: -7 mm x 7 mm 30 m: ~9 mm x 15 mm

Tie Distance Accuracy (3D)

Angle and distance combination	@10 m @30 m @50 m Approx. 1mm 2mm 4mm
Accuracy	5", equates to 1.2 mm @ 50 m

Tilt sensor

Self-levelling range	±3°
Accuracy	10", equates to 2.5 mm @ 50 m

Operation

Keys/user interface	1 on / off button
Interfaces	USB type B, power supply power pack

Digital Point Finder

Zoom (magnification)	1x / 3.40 m x 2.14 m
/ Field of view (@10 m)	2x / 1.70 m x 1.07 m 4x / 0.85 m x 0.54 m 8x / 0.42 m x 0.27 m

Circular Level Setting

Accuracy	1°/mm
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Communication

Cable	USB: Micro-B USB and type a; WLAN
Wireless	50 m range **

Power Supply

Internal battery	Li-Ion battery 14.4 V / 63 Wh
External power	24 VDC / 2.5A, charging time 8h
Operating time	8h

Physical Specifications

Dimensions	Height 215.5 mm ∅ 186.6 mm
Weight	2.8 kg
Operating temp.	-10°C to 50°C
Storage temp.	-25°C to 70°C
Protection class	IP54 (IEC 60529)
Attachment	5 / 8" thread

Remote Control

Range	50 m **
Communication	Infrared (IR)
Battery	1 AA. 1.5 V

* Accuracy is specified at 20°C; ** Depending on environment.



Learn more at:
geomax-positioning.com

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