

The new professional and most versatile device for measurements & 3D modelling

- Fast capture in field
- Real time measurements
- Capture indoors/outdoors & small/mid-size objects
- All-in-one: stereocamera, depth sensor scanner, GPS, IMU, all in one powerful tablet
- Accurate, easy -to-use and versatile
- Also supports external cameras and other topographic instruments

Generate 3D complete and accurate documentation. eyesMap tablet is the most complete instrument to capture a scenario without the need to revisit.



- Architecture and Archaeology 2D/3D Documentation.
- As-Built measurements and inspections.
- Industrial and Civil maintenance.
- Crime Scene Investigation 2D/3D Documentation.

eyesmap PC Software

Helps you to process the data in your PC faster. It's a powerful software to measure & generate photo-textured 3D models, orthophotos or 3D dense points clouds, using eyesMap images or other cameras (e.g. aerial images).

Technical Features

-Tablet

Operating System	Windows 8.1 (64 bits)
Hard Disk Unit	128Gb
RAM	Internal 8Gb
Processor	i7 intel Ivy Bridge
Screen Features	Multi-Touch 1366 x 769 px / 11,6"
Wireless Technologies	3G,Wifi a/b/g/n, GPS

-Cameras

Field of View	Horizontal: 56° Vertical: 43° Diagonal: 67°
Calibration Time Recommended	Each 6 months

-Depth Sensor

Range	0.5 - 7 m
Recommended Max Range	4 m
Recommended Distance to Use	1.5 - 2 m

-Power Supply

Charging Time	Single Battery ~3 h Double Battery ~6 h
Operating Time 25°C	Single Battery ~3 h Double Battery ~7 h

Physical Specifications

-Weight

Tablet Single Battery	1.4 kg
Tablet Double Battery	1.6 kg
Complete Package in case	4.8 kg

-Dimensions

Tablet	30 x 19 x 5.5 cm
Complete Package Case	45 x 40 x 20 cm

Environmental Conditions

Operating Temperature	0° to 40°C
Storage Temperature	-20° to 60° C
Recommended maintenance time	12 months



Standard eyesMap Package

- 1 eyesMap Tablet
- 1 Protected Carrying Case
- 1 Keyboard
- 40 Symmetric Targets
- 20 Asymmetric Targets
- 2 Stereo Targets
- 1 Charger
- 1 GPS Antenna
- 2 Table Brackets
- 1 Club eyesMap Subscription

Capture Modules

-Point to Point

Max Range Recommended	internal cameras 30 m external HR cameras ~70 m
Accuracy (using internal cameras)	
STD scale optimization*	0.4 mm @ 0.5 m 2.6 mm @ 3 m 11 mm @ 15 m 23 mm @ 30 m
Export Formats	*.Txt, *.xyz, *.DXF, *.jpg

-3D Photomodelling

Max Range Recommended	internal cameras 15 m external HR cameras ~50 m
Accuracy (using internal cameras)	
STD scale optimization*	0.4 mm @ 0.5 m 2.6 mm @ 3 m 11 mm @ 15 m 23 mm @ 30 m
Export Formats	*.Ply, *.stl, *.obj, *.off, *.wrl, *.dxf, *.dae, *.gts, *.u3d, *.idtf, *.x3d

-3D Depth Sensor

Accuracy	4 mm @ 1.5 m
Export Formats	*.Ply, *.stl, *.obj, *.off, *.wrl, *.dxf, *.dae, *.gts, *.u3d, *.idtf, *.x3d

-Orthophoto

Max Range Recommended	15 m
Accuracy (using internal cameras)	
STD scale optimization*	2.6 mm @ 3 m 11 mm @ 15 m 23 mm @ 30 m
Export Formats	*.tiff

-GPS

Accuracy Real Time	<1.5 m
Export Formats	*.txt, *.Rinex

Optional Accessories

- Protective TPU Cover
- Double Battery
- Tripod Mount 1/4" whitworth
- Calibration Pattern
- External HR Camera

Standard eyesMap PC Package

- 1 licence of eyesMap PC software

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