

eyesmap

Tablet

General Advices

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

Generate **3D Complete and accurate Documentation**. EyesMap is the most complete instrument to capture a scenario. In this way, you don't need go back to revisit.

- **Fast** capture in field.
- **Real time** measurements.
- Capture **Indoors/Outdoors** and **small/big objects**.
- **All-in-one**: estereocamera, depth sensor scanner, GPS, IMU all in a powerfull tablet.
- **Accurate, easy -to-use and Versatile**.

\***Compatible with external cameras** and other topographic instruments, as total stations. Exportable to CAD and other formats.

**EyesMap PC Software** help you to process the data in your PC faster. EyesMap PC is a powerful software to generate phototextured 3d models using images. Use images from eyesMap or from other cameras (e.g. aerial images) to measure and generate orthophotos or 3d dense points clouds.

3D Photmodelling

Orthophoto

P2P Point to Point

3D Depth Sensor

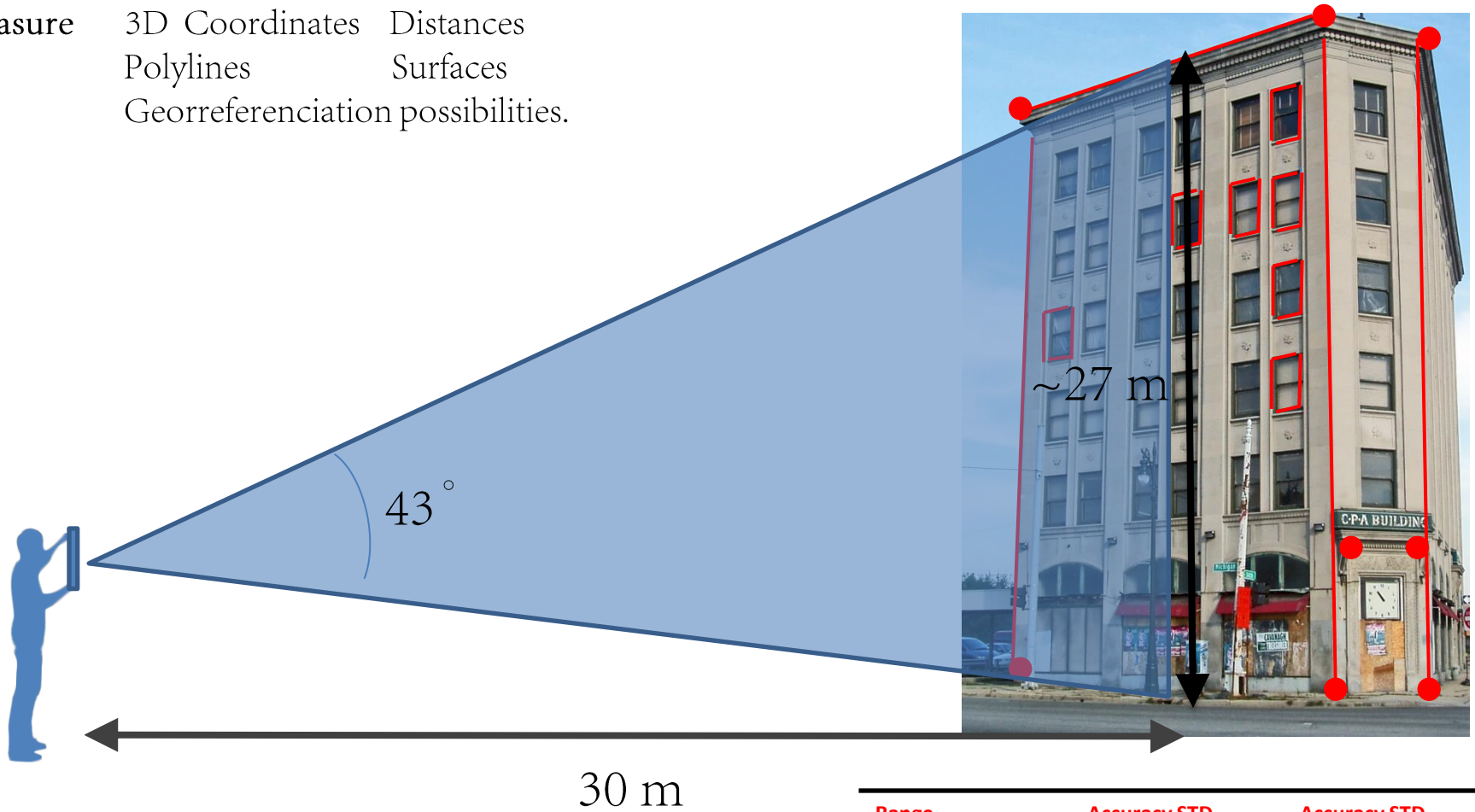
GPS

## Applications

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

## P2P Point to Point

Measure 3D Coordinates Distances  
 Polylines Surfaces  
 Georeferenciation possibilities.



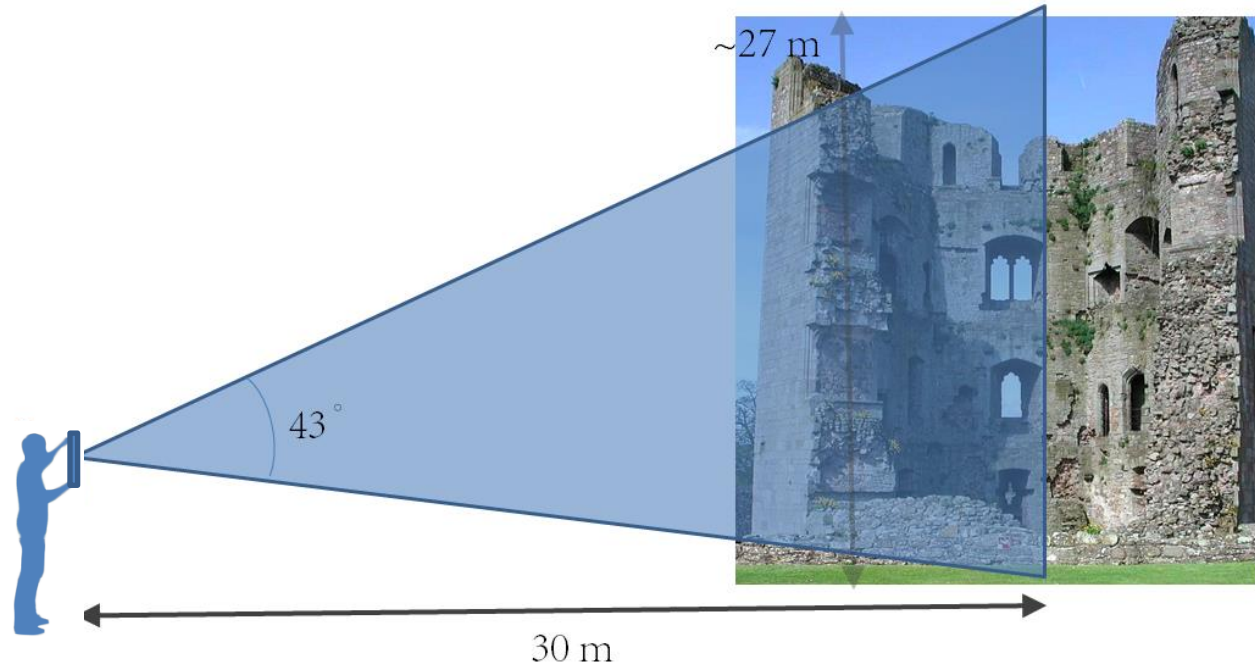
- At least 2 images.
- 80% Overlap/2 images Recommended.
- Capture in paralel or convergent.

Range	Accuracy STD	Accuracy STD Optimize scale
3m	3 mm	2,6 mm
15m	15 mm	11 mm
30m	30 mm	23 mm

# 3D Photmodelling

Generate 3d Points cloud automatically from a set of images.

- *Only for heterogeneous colors textures.*
- *Avoid reflections or repetitive surfaces*



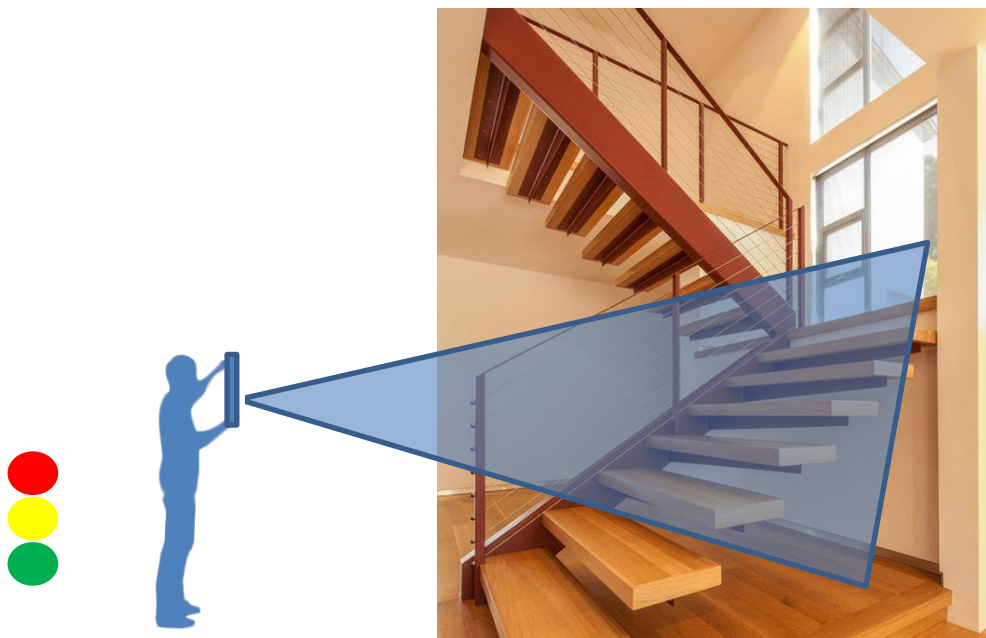
- At least 5 images Recommended.
- 80% Overlap/2 images Recommended.
- Capture in parallel or convergent.

Range	Accuracy STD	Accuracy STD Optimize scale
3m	3 mm	2,6 mm
15m	15 mm	11 mm
30m	30 mm	23 mm

# 3D Depth Sensor

## Scanning indoors scenarios

- *Capture while you are moving or capture in static.*
- *For Mobile scanning (while you are moving), use targets to ensure the heterogeneous texture. Avoid reflections or repetitives surfaces.*
- *Look for the green colour in the interface lights! This will ensure you a good accuracy!.*



4 m max.Range.Recomended

- Capture Part by part. Never higher than 6x2m longer. Then, align the different scans in CloudCompare Software.*

- Capture in paralel or convergent.

Range	Accuracy STD
1,5m	4 mm

4 m max.Range.Recomended

# Orthophoto

Generate True orthophoto from a set of images

- *Capture only in paralell to the object*
- *Avoid reflections or repetitives surfaces*



- At least 5 images.
- 80% Overlap/2 images Recomendaded.

Range	Accuracy STD	Accuracy STD Optimize scale
3m	3 mm	2,6 mm
15m	15 mm	11 mm
30m	30 mm	23 mm





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*Patented and @Coyright of e-capture Research and Development S.L*