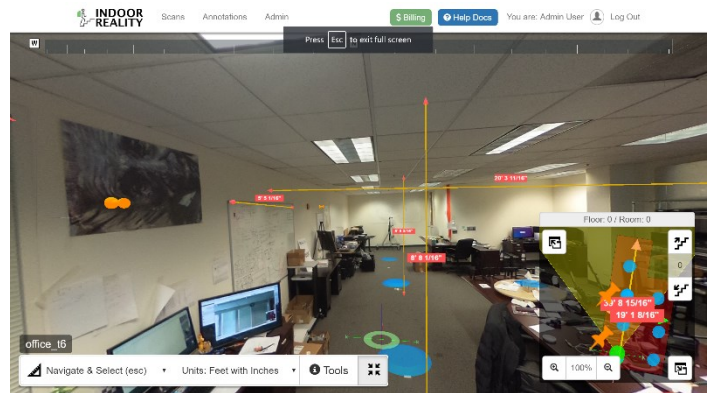


IR-200 Indoor Mobile Mapping Solution



Architecture

- Document existing conditions
- Pre/ Conceptual design
- Historical preservation



Construction (BIM)

- As-built BIM model
- Daily progress reporting
- Interference detection



Real Estate

- Virtual 3D walkthroughs
- Tenant agreements, space planning, & utilization
- Asset/ Facility management
- Energy audits & appraisals

Mapping Indoors One Step at a Time

Specifications



CAMERA

Number of cameras	One (1) External, 14MP
Coverage	360° x 360°, RGB
Operating Time	2 Hours (typ.)
Picture Frequency	Programmable

EXPORT

Formats	Point cloud (.las),	Mesh (.ply), Floor plan (.dxf, .svg)
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PHONE

iPhone 7 and up

Android Phones listed in

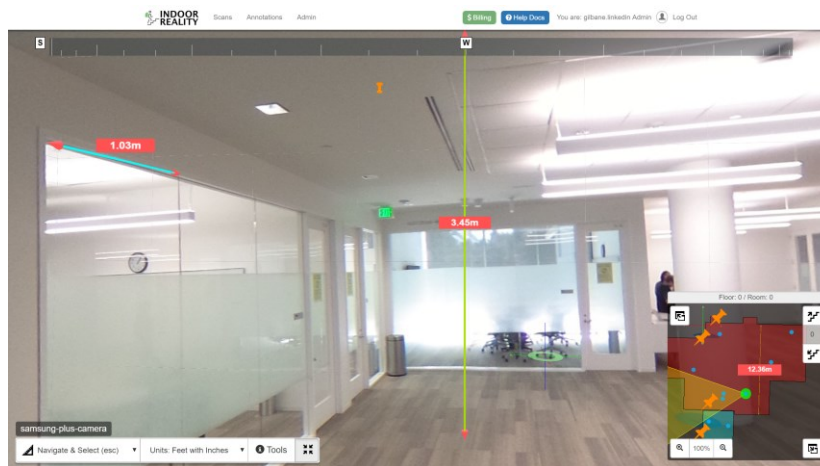
<https://www.androidcentral.com/every-android-phone-arcore-right-now>

ACCURACY

Depends on collection pattern, size of the area, number of rooms, complexity of layout. For small areas the accuracy is plus or minus a foot.

CLOUD PROCESSING

Captured data is uploaded to cloud for cloud based software as a service processing to generate the following data products: (a) synthetic point cloud in .las and 3D mesh in .ply (b) summary report of floor plan area, surface area and volume for the entire space or on a room by room basis; (c) floor plan in .svg or .dxf format ; (d) 3D interactive immersive, web based visualization with measurement and annotation for collaboration and sharing; (e) web based interface for editing floor plans.



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Mapping Indoors One Step at a Time