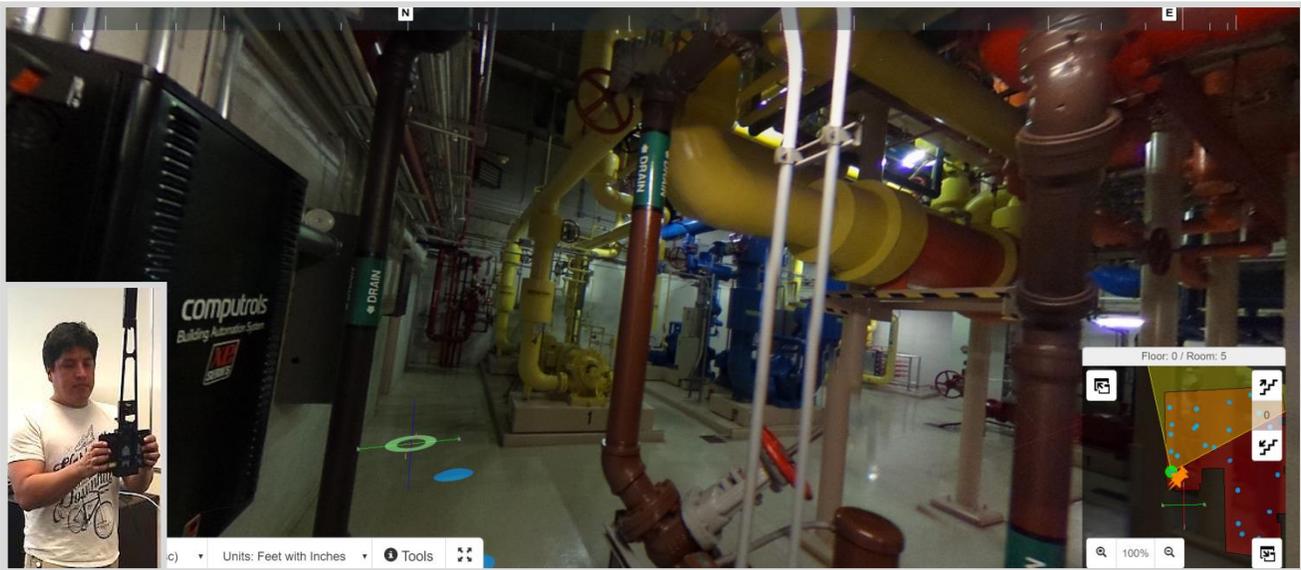


Handheld Indoor Mobile Mapping Solution



Architecture

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



Construction (BIM)

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



Commercial 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

IMAGE SENSOR

Type Time of Flight
FOV 62° x 45°
Acquisition 190,000 pts./ sec.
Range 5 m (usable)

EXPORT

Formats Point cloud (.las & .rcp),
 Mesh (.ply & .obj), Floor
 plan (.dxf, .svg, rvt)

PLATFORM

Bracket material Aluminum
Weight 2 lbs/ 0.9 kg [w/ battery
 & thermal camera)

PRODUCTIVITY

Data produced Programmable

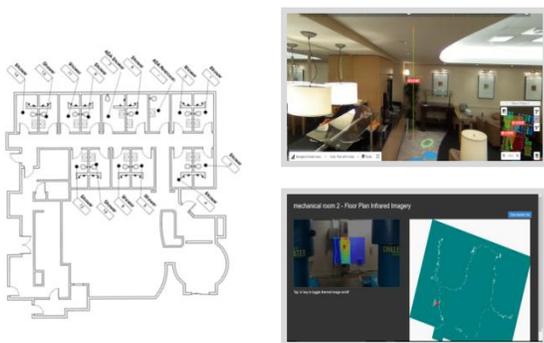
ACCURACY

Sensor Resolution < 1% of distance

BATTERY SYSTEM

Operating Time 2 Hrs. (typ.)
Battery One (1) External USB
 battery pack

The **INDOOR REALITY** solution consists of two wearable hardware platforms (Backpack & Handheld Mobile Unit) for data capture in combination with a common Cloud-based software-as-a-service (SaaS) interface.



Captured data are uploaded, processed, and user notified when requested data products are created.



Thermal camera
 – optional

External USB battery
 pack

IR500T – Handheld Mapping System w/ aluminum bracket includes: thermal camera, external USB battery pack, & shipping case.



www.indoorreality.com

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Mapping Indoors One Step at a Time