FARO® ScanPlan™

Handheld, 2D Mapping Solution Captures Floor Plans in Real Time

Emergency responders, fire investigators, security professionals, and other public safety experts are faced with having fewer people and more tasks. You know the importance of pre-incident planning, but who has time for it? Now you do, with the FARO® ScanPlan!

FARO ScanPlan, an innovative, handheld device that enables you to measure and document 2D floor plans of buildings in no time. Simply walk through the building at normal speed and point the ScanPlan at the walls. As you walk, the floor plan diagram is created in real-time on a smartphone (Android or iPhone). The ScanPlan captures nearly 29,000 points/second, with a 230° field of view, so even the most complex buildings can be mapped in minutes.

FARO Zone 2D diagramming software, included with the ScanPlan, has everything you need to turn your floor plan maps into complete pre-incident plans. Easily show critical details with NFPA and other industry-standard symbols, add notes, photographs, and measurements. Pre-incident planning has never been so easy!

Features

Capture 2D Floor Plans as You Walk
Walk through the building at normal speed and record an 2D plan of the floors.

Map Floor Plans on Multiple Floors
Capture floor plans on multiple levels and organize them into one project.

Visualize the Floor Plan in Real Time
View the floor plan as it is being scanned so you can be confident the entire building is documented when you leave.

Document Critical Details With Photographs
Add photographs and annotations directly to the floor plan to document all the details of the scene.

Finished Diagrams, Fast
Generate walls automatically, use predrawn symbols and smart tools in FARO Zone software to quickly and easily complete your diagrams.

Benefits

Easy to Use
Use the familiar interface of a smartphone app to control the ScanPlan, visualize and save your projects.

Extended Scanning Time
Scan for two hours with one battery.

Complete Solution
Use FARO Zone 2D software (included), to turn any floor plan map into a completed diagram by adding doors, stairs, hazardous materials, notes, dimensions, and more.

Document More Buildings in Less Time
Just walk and point the ScanPlan at the walls to capture nearly 29,000 points/sec with a 230° field of view.

Compatible With Most Smartphones
Most Android and iOS phones are supported with the free app. A compatible smartphone is also available separately.

Portable and Lightweight
At only 1.5 kg (3.3 lb), the ScanPlan is easily carried with one hand.

System Features

Range

90% Reflectivity (white)	0-20m[1]
10% Reflectivity (dark-gray)	0-8m[1]

Integrated Sensors

2D laser scanner	Yes
Inertial measure unit	Yes

Sensor Information

Laser class	1
Wavelength	905nm
Frame rate/scanner line speed	40 Hz
Max. light illuminance	15,000 lx

Measurement Accuracy[2]:

Measurement ≤ 3m[1,3]	± 3cm
Measurement > 3m[1,3]	< 1.5 %

Data Acquisition Rate

Per Second	28,800 points/second

Deflection Unit

Field of view (horizontal)	230°
Step size (horizontal)	0.25°

[1] White Kent Sheet
[2] Postprocessed data, loop closure
[3] 1-sigma

Specifications

General specifications

Weight incl. battery	1.5 kg (excl. smartphone)
Size/dimensions opened L x H x W	255 mm x 375 mm x 130 mm
Size/dimensions closed	255 mm x 215 mm x 130 mm
Power supply voltage - external	19 V
Power supply voltage - internal (battery)	14.4 V
Power consumption	35 W (65 W charging)
Battery service life	2 hours
Operating temperature (ambient)	-10 °C to +50 °C
Storage temperature (ambient)	-20 °C to +60 °C
Mounting	handle or 3/8'' thread
Humidity	non-condensing
Maintenance/calibration	not necessary
Interface	1 x USB, WLAN

Interface Connection

USB to USB	Yes

Data Capturing & Visualization

Smartphone Specification

High Dynamic Range (HDR)	Yes
Recommended/Supported Phone	Samsung Galaxy S7 or higher, iPhone 7 or higher

FARO ScanPlan App

Google Play Store	https://play.google.com
Apple App Store	https://www.apple.com/lae/ios/app-store/

Data Management & Processing

Data Management

Operation of device	Via USB on GUI of the smartphone
Data storage	Internal SSD
Data storage capacity	100 GB

Export

ScanPlan Data	Flash drive/external medium
FARO Zone 2D Data	PDF, PNG, JPEG, TIFF, DWG, DXF

Processing Software

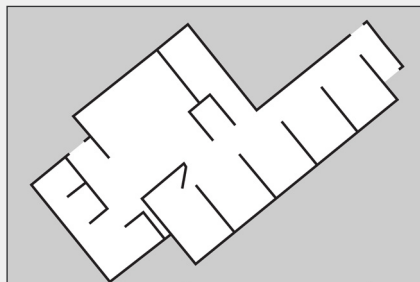|	
Diagramming Software	FARO Zone
Project Sharing (Free)	SCENE 2go FARO Zone Viewer

Applications

- Pre-Fire Planning

- Crime Scene Investigations (Demonstrative Evidence)

- Post Search Warrant Execution Diagrams

- Security Pre-Incident Planning

- Security Threat Assessments

- Executive Advance Planning

- Property Insurance Loss Control

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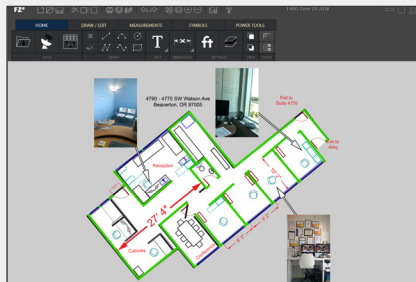*Samsung and Galaxy S are trademarks of Samsung in the U.S. and other countries.*

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The ScanPlan Process

1. Capture
Floor plans in real time with the FARO ScanPlan.

2. Process
Floor plans into 2D diagrams easily using FARO Zone software (2D or 3D).

3. Deliver
Plans in compatible formats for instant access and viewing.

For more information, call 800.736.0234 or visit www.faro.com
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