



# 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!



## 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.

## 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.

### 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 <sup>1</sup>
10% Reflectivity (dark-gray)	0-8m <sup>1</sup>
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 <sup>2</sup> :	
Measurement ≤ 3m <sup>1,3</sup>	± 3cm
Measurement > 3m <sup>1,3</sup>	< 1.5 %
Data Acquisition Rate	
Per Second	28,800 points/second
Deflection Unit	
Field of view (horizontal)	230°
Step size (horizontal)	0.25°

<sup>1</sup> White Kent Sheet

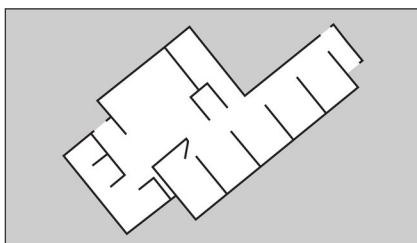
<sup>2</sup> Postprocessed data, loop closure

<sup>3</sup> 1-sigma

## Specifications

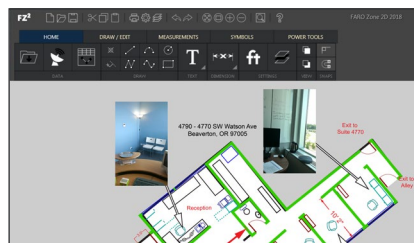
General Specifications	
Weight incl. battery	1.5 kg (excl. smartphone)
Size/dimensions opened L x H x W	255 mm x 375 mm x 130 mm
Size/dimensions closed	255 mm x 215 mm x 130 mm
Power supply voltage - external	19 V
Power supply voltage - internal (battery)	14.4 V
Power consumption	35 W (65 W charging)
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

## 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.

## Data Capturing & Visualization

Smartphone Specification	
High Dynamic Range (HDR)	Yes
Recommended/Supported Phone	Samsung Galaxy S7 or higher, iPhone 7 or higher
Cradle dimensions (Height x Width x Thickness)	160 mm x 82 mm x 8 mm
FARO ScanPlan App	
Google Play Store	<a href="https://play.google.com">https://play.google.com</a>
Apple App Store	<a href="https://www.apple.com/lae/ios/app-store/">https://www.apple.com/lae/ios/app-store/</a>

## 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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For more information, call 800.736.0234 or visit [www.faro.com](http://www.faro.com)

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Contract Holder