



# FARO® Zone 3D 2018

## Easier, Faster, and Smarter Scene Reconstruction

### Preserve. Prepare. Protect.

When lives are involved, you must have the best tools. As an investigator or security professional, you are under pressure to provide accurate and easy to interpret 3D scene documentation for court or pre-incident intelligence. FARO Zone 3D makes this part of your job painless with smart tools that are created for capturing a scene before or after an incident. Use measurements from many different sources to analyze the scene, create accurate 2D and 3D diagrams, present compelling walk-throughs and animations. Being prepared was never this easy.

FARO ZONE



### Revolutionary Software for Public Safety Professionals

#### Your Scene in VR

FARO Zone 3D introduces groundbreaking virtual reality capabilities to experience crime, crash, fire, and security planning scenes in 3D. It is the only software that gives you the ability to view FARO point clouds, diagrams, reconstructions, and animations in VR. An ideal way to interact with your scene and create training scenarios.

#### Present Your Case

With FARO Zone 3D's exclusive Total View tool, create dynamic flythroughs and walkthroughs of forensic and pre-planning scenes.

#### Share Your Investigation

Share the forensic evidence, diagrams, animations, and analysis with prosecutors, clients, co-workers, and the courtroom.

#### Smart Tools

FARO Zone 3D's pioneering Smart Tools are created for forensic investigators. Automated Blood Spatter Analysis dramatically reduces time to find the possible point of origin with convergence from multiple surfaces, and generates comprehensive reports designed for expert testimony. Use the Bullet Trajectory Smart Tool to finely adjust the plane of impact, extend lines or cones in either direction, and automatically generate a courtroom-ready report that details every trajectory.

### Benefits

For more than 25 years, FARO's software developers have been the clear leaders at providing forensic investigation and pre-planning software. We applied all this experience to create FARO Zone 3D, a new generation of software tools just for crash, crime, fire, and security professionals.

**Precise and Fast Drawings:** Extensive drawing tools, paired with Object Grips and Smart Snaps, make it easy to create accurate, 2D and 3D, diagrams to exact measurements

**Powerful Analysis:** Perform comprehensive analysis for bullet trajectory, blood spatter, vehicle momentum, critical speed yaw, speed from skids, road profile, vehicle crush, and more

**Compelling 3D Results:** Anyone can create accurate 3D diagrams and impressive animations that give courtroom presentations the "CSI Effect"

**Compatible:** Open diagrams from CAD Zone applications, ARAS, and other standard CAD formats. Bring in manual measurements, satellite maps, data from total stations, and point clouds from drones and laser scanners\*

**Affordable:** Competitively priced with discounts when purchasing multiple copies. Existing FARO public safety and forensic software users qualify for a low, introductory price

\*Point Cloud features available in FARO Zone 3D Advanced version

## Capabilities

### Accurate 2D and 3D Diagramming

- Essential tools for 2D and 3D diagramming of interior and exterior sites
- Pose bodies in 3D with complete control to match the scene

### Virtually Any Measurement Source

- Use aerial maps from Google®, Bing®, or Pictometry®
- Bring in manual measurements, data from total stations, and Point Cloud\* data from laser scanners and drones
- Standard Vehicle Specifications Database provides vehicle measurements

### Access to 10 Million 3D Models

- Thousands of pre-drawn 2D and 3D symbols for crash, crime, and fire scenes
- Easily import 10 million additional 3D models, from free, online sources

### Easy and Accurate Animations

- Create realistic crash animations in seconds with spinning tires and articulation
- Animate crush, set multiple synch points, adjust camera position, change the playback speed, and adjust the vehicle's yaw, pitch, or roll

### Powerful Analysis Tools

- Crash reconstruction tools for crush, in-line and 360 momentum, speed from skids, and critical speed yaw
- Slope calculator and profile report for roads or other contours
- Bullet trajectory analysis with complete adjustment to the plane of impact
- Blood spatter analysis to estimate area of origin from a photograph

### Get the Most from Point Clouds\*

- Open Point Cloud data from laser scanners directly from FARO SCENE projects or in .pts format\*\*
- Bring in Point Clouds captured with a drone in .las file format
- Get all your measurements from the captured Point Cloud, snap to specific data points, create diagrams and animations, and export chosen points with "virtual surveyor" mode

\*Point Cloud features available in FARO Zone 3D Advanced version

\*\*Feature available with SCENE version 6 and higher

## What's New with FARO Zone 3D

	1.0	2018
Features		
View Scenes in VR		X
HDR Graphics like shadows and fog		X
Free, FARO Zone 3D Viewer		X
Total View scene fly-throughs and walk-throughs		X
Blood Spatter Analysis	X	X
Blood Spatter Analysis with multiple photos		X
Blood Spatter with Auto detection of blood droplet edges		X
Bullet Trajectory Tool	X	X
Bullet Trajectory report with automatic views		X
Vehicle Animation	X	X
Animate trailers that articulate		X
Animate vehicles with turning tires		X
Show fire and smoke		X
Simulate explosions		X

## Applications

- 2D and 3D diagramming for crash, crime, and fire investigations
- Animation and analysis of forensic scenes
- Bullet trajectory, blood spatter and crash reconstruction
- Courtroom presentations
- Fire service and security pre-incident planning
- Diagrams for insurance risk control and loss control
- Training scenarios

Hardware Requirements	Minimum Requirements	VR Minimum Requirements
Operating System	Microsoft Windows 7, 8, or 10	
Processor	Central processor equivalent to an Intel i7, or better	
RAM	8 GB of RAM, or higher	16GB RAM+
Hard Drive	12 GB of free hard drive space	
Graphics	Minimum screen resolution of 1024 x 768 pixels, DirectX 11 compatible graphics card, such as an Nvidia® Quadro 2000, GeForce 400+, Radeon HD4000+, or better is recommended	GeForce GTX 1060 or better
USB		(3) 3.0 ports
Video Output		HDMI 1.3 Video output
VR Device		Oculus or VIVE VR

For more information, call +65.65111350 or visit [www.faro.com](http://www.faro.com)

FARO Singapore Pte Ltd | No. 3 Changi South Street 2, 01-01 Xilin District Centre  
Building B, Singapore 486548

