

FARO® Zone Software



FARO®

FARO Zone software makes scene documentation easy so you can get on with the rest of your job

As a Public Safety professional, measuring and documenting a scene is a critical aspect of your job and one that your team relies on for complete and accurate documentation. FARO Zone enables the creation of factual diagrams and detailed analyses, results that can be presented and shared in a compellingly visual and easy-to-comprehend way.



Forensic Scene Investigation

- Crime scene investigators can precisely capture body position, applying FARO Zone 3D validated blood spatter analysis and bullet trajectory tools. Having detailed reports, human animations, and flythroughs are a compelling way to present your case.
- Crash reconstructionists use FARO Zone 3D to complete precise diagrams and realistic animations from scene measurements, laser scanner and Event Data Recorder (EDR) data. Analysis tools provide the ability to estimate vehicle speeds with calculations for momentum, crush, skid marks, and more.

Crash Report Diagramming

- Use FARO Zone 2D to create simple, yet accurate, crash scene diagrams like those commonly attached to law enforcement crash reports.
- Start with an aerial map of the crash location, add vehicle symbols, signs, and notes, save the diagram (pdf, jpg, or png) and attach it to your report in as little as five minutes.
- Administrative tools are included to set up FARO Zone for all users in the agency to save the diagram to the desired format, size, and location for your reporting system.

Pre-incident Planning

- With FARO Zone 2D or 3D, it is fast and easy to use an aerial map from Pictometry®, Google, or Bing to create easy-to-read pre-incident and threat assessment diagrams.
- Add a comprehensive 2D floorplan with data captured by FARO® ScanPlan or an architectural diagram. Show doors, stairs, elevators, control panels, hazardous materials, and more, with the pre-drawn symbols that are included.
- Export diagrams to pdf and attach them to your dispatch or pre-planning system so the plans are available to First Responders.



FARO Zone 3D

For forensic investigators, FARO Zone 3D provides the ability to accurately reconstruct any crash, crime, or fire scene. With this package, you can use manual measurements, aerial maps, and total station data to quickly create 2D and 3D diagrams. Analyze the scene with crash reconstruction, bullet trajectory, and blood spatter analysis tools. Create compelling walk-throughs, reports, and animations to present the case.

- **Precise, Fast Drawings**
Extensive drawing tools, paired with object grips and automatic snaps, make it easy to create accurate, 2D and 3D diagrams to exact measurements.
- **Save Time**
Huge library of pre-drawn 2D symbols and 3D models for crash, crime, and fire scenes. Easily import 10 million additional 3D models, from free, online sources.
- **Powerful Analysis Tools**
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**
Create realistic flythroughs, vehicle and human animations with shadows, rain, snow, fog, animated vehicle headlights, brake lights, and traffic lights.
- **Easy to Use**
An intuitive user interface with constant feedback, helpful how-to videos, comprehensive documentation, and free Instructor-led, online training.
- **Compatibility**
Open diagrams from CAD Zone, ARAS, and other standard CAD formats. Bring in measurements from manual methods, satellite maps, and data from total stations.
- **Share with Anyone**
Free viewing software and the Zone 2go presentation tool makes it easy to share projects with anyone. No internet required.

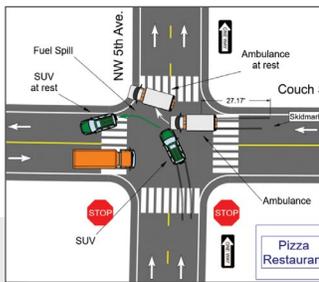
FARO Zone 3D Advanced

Includes the features of FARO Zone 3D plus the ability to use point clouds from laser scanners and drones. Preserve any forensic scene digitally as a 3D point cloud, then analyze the evidence in the safety of the office. Determine witness perspectives, create extremely realistic animations, and share the results – even in a virtual reality environment. Being prepared for court was never this easy!

- **Compatible with Point Clouds**
Open multiple point cloud formats, from laser scanners in .pts and .E57 formats, directly from FARO SCENE projects¹, and from drones in .las file format.
- **Ensure Accuracy**
Take all your measurements from the point cloud, snap to specific data points to create diagrams, export chosen points with “virtual surveyor” mode, and use point clouds to create stunning animations and VR scenes.
- **One Software Does It All**
Register scanned data captured with FARO Focus Laser Scanners² so all your work is done in one software application.
- **Easy Workflow**
Merge and align point clouds, or use point cloud models, to place vehicles that were removed back into the scene of the crash.
- **Photo-Realistic Results**
Create incredible 3D environments with multiple light sources, grass that grows, and enhanced material textures for stone, brick, wood, metal, water, and more.
- **Custom VR Training Scenarios**
Turn any scanned scene into an exciting VR training scenario, take photos and measurements, pick up evidence, and swab for DNA samples, all while completely immersed in the VR forensic scene.

¹Feature available with SCENE version 6 and higher

²Feature available with Focus^S and Focus^M laser scanners



FARO Zone 2D

Law enforcement officers can create 2D crash report diagrams in as little as five minutes. This inexpensive software can be easily deployed throughout the entire department. It is also ideal for firefighters who create pre-incident plan diagrams. Clear and consistent diagrams from FARO Zone 2D will improve decision-making and save lives in an emergency when every second counts.

“Crash reconstruction isn’t about creating Hollywood theatrics, it’s about finding truth through science. FARO Zone 3D is what I use to show the science of a crash.”

Carl Lakowicz, Northpoint Collision Consultants

FARO Zone System Requirements

Recommended:	FARO Zone 2D	FARO Zone 3D	FARO Zone 3D Advanced
Operating System	Microsoft Windows 10	Microsoft Windows 10	Microsoft Windows 10
Processor	Intel i5 or equivalent	Intel i7 or equivalent	Intel i7 or equivalent
RAM	4 GB	8 GB	16 GB
Hard Drive	8 GB free	12 GB free	12 GB free
Graphics Card	DirectX 11 compatible card, such as an Nvidia® Quadro 2000, GeForce 400+	DirectX 11 compatible card; If tiling large images 4GB video RAM minimum	GeForce GTX 1060 or better; If tiling large images 4GB video RAM minimum
VR Requirements		Oculus Rift or HTC Vive plus ports required by headset	Oculus Rift or HTC Vive plus ports required by headset

FARO has local offices in over 25 countries around the world. Go to www.faro.com to learn more.

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