

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 reconstruct the details of a crime by applying the validated blood spatter analysis and bullet trajectory tools.
- Crash reconstructionists use FARO Zone 3D to complete precise diagrams and realistic animations from scene measurements captured by laser scanners, total stations, drones and data from 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

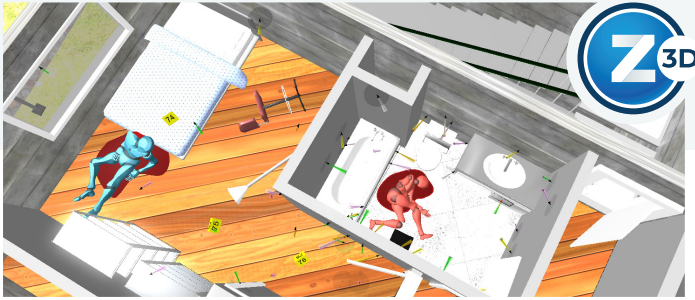
- Use FARO Zone 2D to quickly create simple, yet accurate, crash scene diagrams like those commonly attached to law enforcement crash reports.
- Start with an aerial map of the crash location, add vehicle symbols, signs, and notes, save the diagram (pdf, jpg, or png) and attach it to your report in as 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. Apply manual measurements, aerial maps, drone photos, or total station data to quickly create 2D and 3D scene 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**
Complete diagrams quickly with the huge library of models, or import new ones. Use EDR data to reduce the time needed to create accurate crash animations.
- **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**
Features 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, drone photos, 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

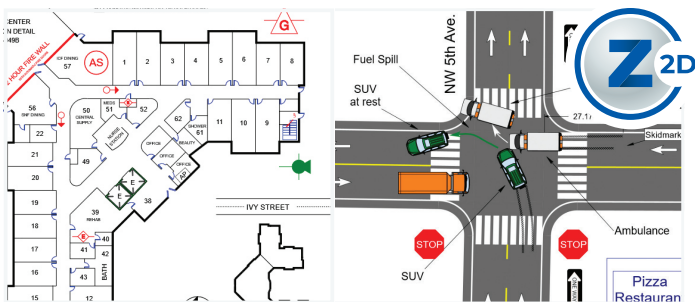


Includes the features of FARO Zone 3D plus the ability to use point clouds from laser scanners and drones. Preserve any forensic scene digitally as a 3D point cloud, then analyze the evidence in the safety of the office. Determine witness perspectives, create extremely realistic animations, and share 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 captured at the scene. 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, car doors and hoods that open, 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

This inexpensive software can be easily deployed throughout the entire department and helps law enforcement officers create 2D crash report diagrams in as little as five minutes. FARO Zone 2D is also the ideal software to quickly create detailed, pre-incident plan diagrams. Firefighters and other first responders value these clear, consistent diagrams to help them make critical decisions at the scene 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

Local Offices in over 25 countries around the world. Go to www.faro.com to learn more.

FARO Global Headquarters
250 Technology Park, Lake Mary, FL 32746, USA
US: 800 736 0234 MX: +52 81 4170 3542
BR: 11 3500 4600 / 0800 892 1192

FARO Europe Regional Headquarters
Lingwiesenstr. 11/2
70825 Korntal-Münchingen, Germany
00 800 3276 7253

FARO Asia Regional Headquarters
No. 3 Changi South Street 2, #01-01 Xilin
District Centre Building B Singapore, 486548
+65 65111350