FARO® Zone 3D
Easier, Faster, and Smarter
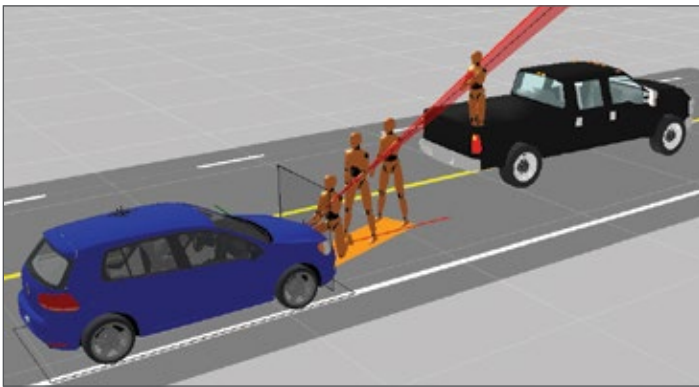## Forensic Scene Reconstruction

FARO

FARO ZONE

3D

Product Introduction

Expectations in the courtroom today are higher than ever. As an investigator, you are under pressure to provide amazing 3D scene documentation for every case that goes to court. FARO Zone 3D makes this part of your job painless with smart tools that are created for crash, crime, and fire investigators. Use measurements from many different sources to analyze the scene, create accurate 2D and 3D diagrams, present compelling walk-throughs and animations. Being prepared for court was never this easy.

Forensics Proven Features

Accurate 2D and 3D Diagramming
- Essential tools for 2D and 3D diagramming with intersections, walls, doors, and stairs
- Powerful editing commands to trim, extend, move, rotate, copy, and group
- Visual object grips and Smart Snaps for fast editing and clean diagrams
- Pose bodies in 3D with complete control to match the scene, even remove body parts

Virtually Any Measurement Source
- Use aerial maps from Google®, Bing®, or Pictometry® to obtain accurate measurements
- Bring in manual measurements, data from total stations, and Point Cloud* data from laser scanners and drones
- Standard Vehicle Specifications Database provides exact measurements for most vehicles

Access to 10 Million 3D Models
- Thousands of pre-drawn 2D and 3D symbols for crash, crime, and fire scenes
- Industry standard symbols, including those found in NFPA 170, for fire protection and pre-incident plan diagrams
- Easily import 10 million additional 3D models, from free, online sources

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

Easy and Accurate Animations
- Create realistic crash animations in seconds by just placing vehicles and showing the path
- Use accurate, point-based animation so vehicle positions match exact data points
- Animate crush, set multiple synch points, adjust camera position, change the playback speed, and adjust the vehicle's yaw, pitch, or roll

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
- Unique Point Cloud tools offer a highly-realistic display with instant adjustment to point size, brightness, and contrast
- 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

Benefits

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

Minimal Training Required
▸ An intuitive, ribbon-based user interface is fast and easy to learn; Includes a free, online, training course

Time-saving Shortcuts
▸ New object grips and Smart Snaps allow fast editing and clean diagrams where everything connects

Precision Drawing Tools
▸ Extensive drawing tools make it easy to create 2D and 3D diagrams to the exact measurements taken at the scene

Powerful Analysis Tools
▸ Perform comprehensive analysis for bullet trajectory, blood spatter, vehicle momentum, critical speed yaw, speed from skids, road profile, 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, data from total stations, and point clouds from drones and laser scanners*
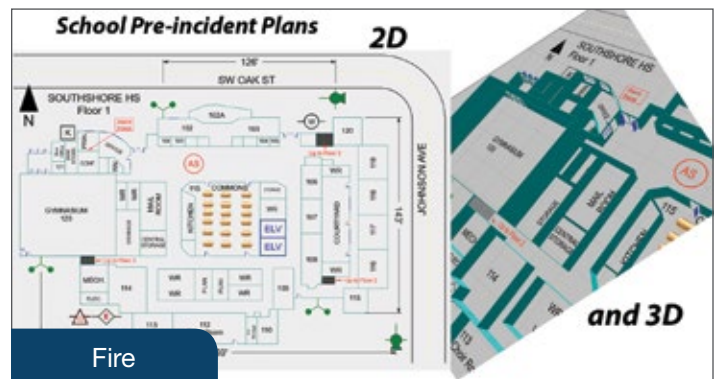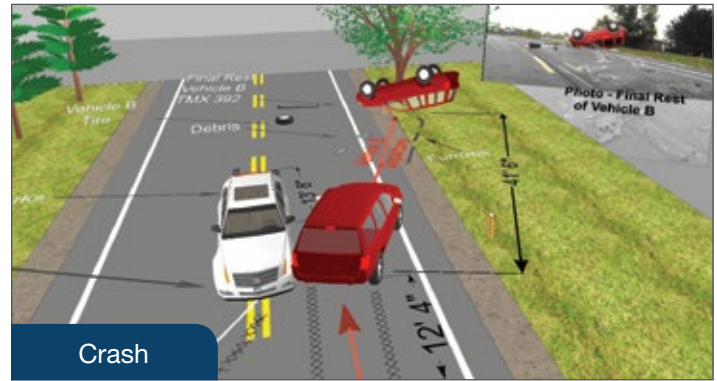
Affordable
▸ Competitively priced with discounts when purchasing multiple copies. Existing FARO forensic software users qualify for a low, introductory price

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

Technical Specifications

▸ Minimum System Requirements
  - Microsoft Windows 7, 8, or 10
  - Central processor equivalent to an Intel i5, or better
  - 8 GB of RAM, or higher
  - 12 GB of free hard drive space
  - Minimum screen resolution of 1024 x 768 pixels
  - Any Windows compatible mouse with a scroll wheel
  - A DirectX 11 compatible graphics card, such as an Nvidia® Quadro 2000, GeForce 400+, Radeon HD4000+, or better is recommended
  - **Recommended Accessory:** 3D Mouse

Applications

Crash

Crime

Fire

FARO Zone 3D is an ideal solution for professionals in law enforcement, forensic investigation, the fire service, security, insurance, and fire protection engineering.

▸ Applications
  - 2D and 3D diagramming for crash, crime, and fire investigations
  - Animation and analysis of forensic scenes
  - Bullet trajectory, blood spatter and crash analysis
  - Court-room presentations
  - Pre-incident planning
  - Diagrams for insurance risk control and loss control

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