



Robotic Scanning

Trimble® Forensics Reveal
Formerly Visual Statement

Robotic Mapping

CRIME SCENE DO NOT CROSS



Forensic Reconstruction Solutions from Frontier Precision, Inc.

SALES • TRAINING • SUPPORT • SERVICE

CRASH RECONSTRUCTION: There's now a simple, powerful end-to-end solution for collecting, documenting, and analyzing the data at crime and crash scenes. With Nikon, Spectra, and Trimble Total Stations, combined with the powerful Trimble Reveal (formally Visual Statement) forensic mapping software, you can reduce disruption, costs, and risk to personnel.

FORENSIC DIAGRAMMING: The new Trimble SX10 combines Robotic Total Station measurement, high speed laser scanning, and enhanced Trimble VISION imaging. You can merge all of the measurement skill sets in your workflow into one time-saving instrument that produces maximum accuracy and versatility, for maintaining the integrity of a scene. Using a Total Station workflow, registering scans is a thing of the past, making this the most efficient and simple mapping solution on the market today.

CRIME SCENE INVESTIGATION: With solutions from Trimble, Microdrones, DelAir-Tech, DJI, and Pix4D, Frontier Precision provides a suite of drone mapping and investigation tools that complement our existing mapping and forensic portfolio. Map a scene for fast and safe data acquisition, that is measurable and geo-referenced. Our drones can also be deployed for Search and Rescue activities using digital or thermal imagery.

CAPTURE



NIKON® Nivo M+ Total Station



Trimble® S7 Robotic Total Station w/ VISION



Trimble SX10 Scanning Robotic Total Station



Trimble TX6 High Speed Laser Scanner

Features	Lightweight and compact, the Nikon Nivo M+ Total Station combines superior Nikon optics with powerful, easy-to-use software. The result is efficient data collection, reliable calculation, and streamlined workflows for any forensic application.	The Trimble S7 Robotic Total Station with Vision Imaging Technology captures everything at the scene. Capture evidence robotically, with photos, or with reflectorless operation all within this reliable, easy to use system.	The Trimble SX10 Scanning Robotic Total Station combines robotic measurement, laser scanning, and photo imaging within the same powerful system. Using the total station workflow makes this device the ultimate evidence measurement device in the industry.	The Trimble TX6 is a cost effective laser scanner to capture scenes fast and accurately. Featuring the Trimble Lightning technology assures you one of the clearest, accurate, and rich datasets on the market.
Operation	Two Person Operation	One Person Operation	One Person Robotic and Scanning	Laser Scanner w/Trimble Lightning Technology
Accuracy	Angular: 5", Distance: 2mm +2ppm	Angular: 5", Distance: 2mm +2ppm	1mm + 1.5ppm, Scanning 2.5mm	<2mm
Controller	Trimble TDC100	Trimble TDC100	Trimble Tablet	On-Board
Reflectorless Range	500m	1,300m	800m	80m (120m - option)
Environmental	-4°F to 122°F	-4°F to 122°F	-4°F to 122°F	-0°C to 40°C
Power	26 Hours on 2 Batteries	6.5 Hours on 1 Battery	3 Hours on 1 Battery	>2 Hours
Scanning	N/A	15 pts/sec	26,600 pts/sec	500,000 pts/sec
Scan Range	N/A	250m	600m	80m (120m - option)
Scan Efficiency	N/A	N/A	Full Dome Scan ~12min	Full Dome Scan ~3min
Connectivity	Serial, Bluetooth	2.4 ghz Radio, Bluetooth	2.4 ghz, Bluetooth, WiFi	USB, WiFi

COLLECT



Trimble TDC100 Series Handheld



Trimble Tablet

With the Trimble TDC100 you get the convenience of a smartphone and the precision of Trimble data collection technology, all in one rugged handheld device.

The Trimble Tablet provides powerful field software for Trimble SX10 including measurement and scanning features in a Windows Tablet environment.

EXAMINE



Trimble Forensics Capture Field Software

Trimble Forensics Capture data collector software is one powerful tool that simplifies the process of collecting forensics evidence at the scene and then analyzing that data later. Capture assists in precisely collecting and recording, and then downloads that data seamlessly to your desktop software.



Trimble Forensics Reveal Office Software

Trimble Reveal enhances the process of capturing and diagramming scenes increasing accuracy and reliability. Features 2D and 3D diagrams with 2D or optional 3D animation.
Reveal Scanning Module: Trimble Reveal Scanning Module allows you to analyze registered point clouds, producing an array of deliverables.



Trimble RealWorks

Trimble RealWorks provides simple registration, segmentation, and classification of your scan data, prepping it for Trimble Forensics Reveal.

UNMANNED AIRCRAFT SOLUTIONS



Microdrones md1000

The Microdrones md4-1000 is a professional drone for accident incident documentation and mapping. Swap out the payload with a thermal sensor for search and rescue applications.



DJI Drones

DJI offers several low cost drone devices for crime scene documentation and analysis.



Pix4D for Forensics

Create measurable and georeferenced data of accident or crime scenes, strictly from images.



PH: 763.496.1366

www.frontierprecision.com