

SABRE

ADVANCED 3D SURVEYING SYSTEMS



Mobile Mapping Product Kit

- Compact and light-weight kit-solution for High-Resolution High Quality 3D Data Capture
- Enabling Rapid Deployment Capability



- Rapidly Survey Large Areas / Opening Up New Opportunities
- Effective and Efficient 3D Data Collection
- Providing you with Accurate 3D Information you can measure
- Risk Reduction: Increased Safety by survey from the security of a vehicle
- High-Resolution: Detailed 3D Point Cloud Data allowing confident information extraction

The SABRE-SCAN™ is a fully integrated 3D high-resolution mobile mapping system that can be used for a diverse range of applications including geospatial, security, defence, law enforcement, coast guard, port authority port development/expansion, construction, maintenance of existing infrastructure.

The SABRE-Scan™ system is fully-interoperable and compatible with the range of FARO laser scanners, and has been designed to complement the characteristics of the FARO Focus laser scanners to deliver the best in market Terrestrial mobile mapping solutions.

The SABRE-SCAN™ supports DUAL FARO high precision laser scanners, enabling the LIDAR system capturing high-resolution data of up to 2 million points per second over a 360 field of view. The system is complemented with high-resolution 30MP imagery using a FLIR Ladybug 5 spherical camera.

The system supports operability by a single operator with ease of deployment and usability.

SABRE-SCAN™

MOBILE MAPPING



Technical Overview

Laser Scanners

Laser Hardware:	Supported FARO Focus Models with appropriate helical adaptor: <ul style="list-style-type: none">• Focus 3D - X330, X130, X30, S120• Focus S - S350, S150, S70
Horizontal Field of View:	360° (Dual FARO Focus Laser Scanners)
Range:	up to 350 meters (with FARO Focus S350)
Density:	up to 2 million pts/sec (Dual FARO Focus's)
Field of View:	360° (Dual FARO Focus's)
Safety:	Class 1 (Focus S and Focus3D X Series models)

GNSS-Inertial Navigation System

Manufacture:	Trimble Applanix
IMU Sensor:	SABRE-SCAN™ can accommodate the following sensor models AP50 AP40, AP20, AP15 See manufactures technical data sheet for performance specification.

Distance and Speed

DMI:	Distance Measurement Indicator for enhanced positioning aiding
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Spherical Imagery

Camera System:	FLIR Ladybug 5 Camera
Resolution & FOV:	30MP (6 x 5MP), 90% of Full Sphere Field of View



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WWW.SABRESURVEY.COM

Head Office

SABRE ADVANCED 3D
Unit 4, Brathens Eco-Business Park,
Banchory, Aberdeenshire, AB31 4BW
United Kingdom