The ultra-portable Focus3D X 130 enables fast, straightforward, and accurate measurements of accident sites, complex structures, crime scenes, facades, production and manufacturing facilities, and large-volume components. Combining the highest-precision scanning technology with authentic mobility and ease-of-use, the Focus3D X 130 offers reliability, flexibility, and real-time views of recorded data. The 3D scan data can easily be imported into all commonly used software solutions for accident reconstruction, architecture, construction, forensics, industrial manufacturing, and shipbuilding and other applications.

With a battery runtime of 4.5 hours, the laser scanner also has a high level of performance. The Focus3D’s light weight, small size, and SD card makes the scanner truly mobile.

**Mid-Range Scanning - up to 130 m**
With a range of up to 130 m the Focus3D X 130 Laser Scanner is ideal for various applications such as architecture, construction, facility management, forensics, historical preservation, shipbuilding and many others.

**Extra Positioning – Integrated GPS Receiver**
With its integrated GPS receiver, the Focus3D X 130 is able to correlate individual scans in post-processing and provide the exact time and location of each scan.

**Extra Portable**
The Focus3D X 130 is only 240 x 200 x 100 mm in size, with a weight of just 5.2 kg. A waterproof hardcase and an ergonomic backpack tripod holder make the device truly portable.

**Wireless Local Area Network (WLAN)**
WLAN remote control allows starting, stopping, viewing, and downloading of scans from a distance.

**Best Value for the Money**
The new Focus3D X 130 delivers extraordinary performance at an affordable rate, and is unique in the laser scanning market.

**Benefits**
The new FARO Focus3D X 130 is a powerful and affordable tool for mid-range 3D documentation applications.

Just under one-million-points-per-second scanning rate, ease-of-use, portability, scanning range up to 130m, integrated GPS receiver, 50% noise reduction, and WLAN remote control make the Focus3D a universal tool for various working environments.
Performance Specifications

Ranging unit
Unambiguity interval: > 130 m
Range Focus 3D X 130: 0.6m - 130 m indoor or outdoor with upright incidence to a 90% reflective surface
Measurement speed (pts/sec): 122,000 / 244,000 / 488,000 / 976,000
Ranging error1: ±2mm

<table>
<thead>
<tr>
<th>Ranging Noise2</th>
<th>@10 m</th>
<th>@10 m-noise compressed3</th>
<th>@25 m</th>
<th>@25 m-noise compressed3</th>
</tr>
</thead>
<tbody>
<tr>
<td>@ 90% refl.</td>
<td>0.3 mm</td>
<td>0.15 mm</td>
<td>0.3 mm</td>
<td>0.15 mm</td>
</tr>
<tr>
<td>@ 10% refl.</td>
<td>0.4 mm</td>
<td>0.20 mm</td>
<td>0.5 mm</td>
<td>0.25 mm</td>
</tr>
</tbody>
</table>

Color Unit
Resolution: Up to 70-megapixel color
Dynamic color feature: Automatic adaption for brightness
Parallax: Co-axial design

Deflection Unit
Field of view (vertical/horizontal): 300°/360°
Step size (vertical/horizontal): 0.009° (40,960 3D-pixel on 360°)/0.009° (40,960 3D-pixel on 360°)
Max. vertical scan speed: 5.820 rpm or 97 Hz

Laser (Optical Transmitter)
Laser class: Laser Class 1
Wavelength: 1550 nm
Beam divergence: Typical 0.19 mrad (0.011°, 1/e, halfangle)
Beam diameter at exit: Typical 2.25 mm (1/e)

Data Handling and Control
Data storage: SD, SDHC™, SDXC™; 32 GB card included
Scanner control: Touch-screen display and WLAN
New WLAN access: Remote control, and scan visualization are possible on mobile devices with Flash®

Multi-Sensor
Dual axis compensator: Accuracy: 0.015°, Range: ± 5°
Height sensor: Via an electronic barometer, the height relative to a fixed point can be detected and added to a scan.
Compass4: The electronic compass gives the scan geographic orientation. A calibration feature is included.
GPS: Integrated GPS receiver

Hardware Specifications

Power Supply Voltage: 19 V (external supply)
Power Consumption: 14.4 V (internal battery)
Battery Life: 40 W and 80 W (while battery charges)
Battery Life: 4.5 hours
Ambient Temperature: 5° - 40° C
Humidity: Non-condensing

Cable Connector: Located in scanner mount
Weight: 5.2 kg
Size: 240 x 200 x 100 mm
Maintenance/Calibration: Annual

For more information call 800.736.0234 or visit www.faro.com/focus