

# Earth Science Systems

ESSential Underground Information

## Utility Scanner

Dual Frequency with Power Detection

Detects shallow features at high resolution while also detecting deeper features and simultaneously sensing the presence of power lines.



The **ESS Utility Scanner** has been designed to find even the deepest targets while still providing high-resolution. The unit boasts the most diverse sensor suite on the market today. It can be used to locate rebar, power lines, cables, conduits, pipes and voids.

Dual frequency GPR antennas produce high-resolution scans without sacrificing penetration depth. The 750 MHz antennas sense objects to approximately 10 feet depth, while the 350 MHz antennas detect objects as deep as 20 feet.

WiFi interface between the included tablet and the device ensures trouble free operation. There are no cables to worry about.

Powerful software and the included Microsoft Surface Pro tablet allow reports to be produced in the field, and without the aid of another computer.

Disassembly and storage are easy, the integrated charger connects to both batteries and the tablet simultaneously.

Earth Science Systems, LLC – 11485 W. I-70 Frontage Rd. – Wheat Ridge, CO – USA

[www.earthsciencesystems.com](http://www.earthsciencesystems.com) – Tel: 303-800-2000

# Utility Scanner

*Dual Frequency for High Resolution without Sacrificing Depth*

## Advanced Software

View 3D results and mark detected objects for interactive visualization and export to DXF.

## Rich Reporting

Create Microsoft Word, PDF and image output with Google Maps satellite imagery.

## Powerful Tablet

The included Microsoft Surface Pro enables analysis and reporting in the field. No second computer necessary.

## No Cables in Operation

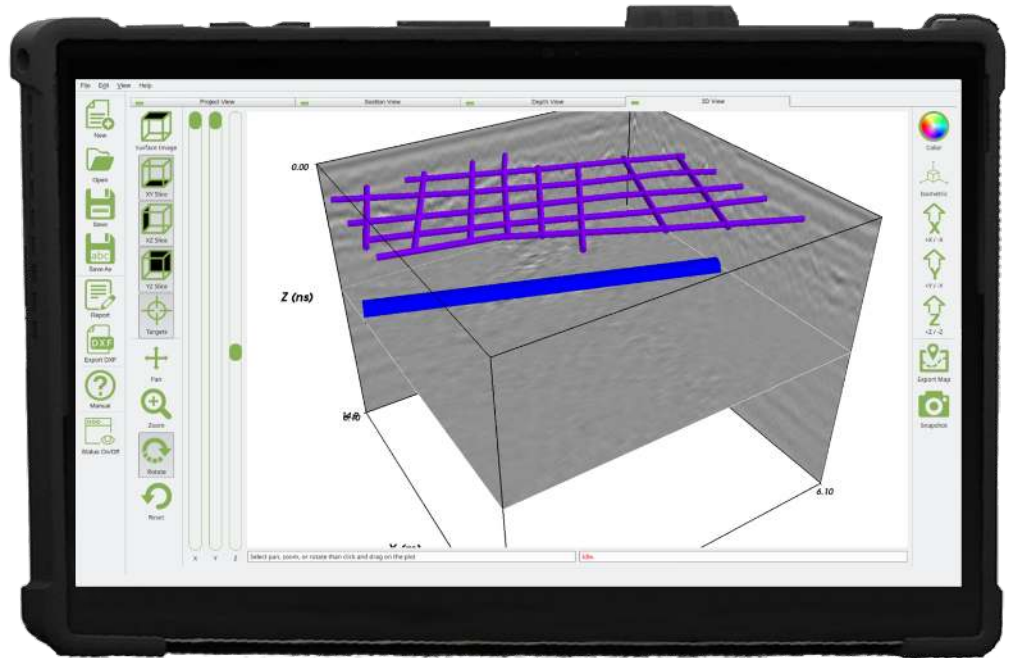
No cables to get frayed, and no damaged or dirty connectors to replace.

## Easy Charging

The shipping case's integrated charging system simultaneously charges the tablet and both batteries.

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## Specifications

- 750 MHz bi-static radar antenna
- 350 MHz bi-static radar antenna
- Electric and magnetic field sensors for detection of energized and current-carrying circuits or tracer signals
- Microsoft Surface Pro tablet computer included
- WiFi-interfaced, fully cable-less operation
- Durable construction
- IP65 ingress protection
- Positioning sensors:  
Integrated optical odometer, GPS, and optional inertial sensors
- Rechargeable 6600mAh LiFePO4 battery with up to 10 hours continuous operation
- Two batteries with dual charger for extended use
- Device dimensions:  
26 x 30.5 x 12 inches (66 x 77.5 x 30.5 cm)  
40 lbs. (18.1 kg)
- Shipping dimensions:  
37 x 28 x 20 inches (94 x 71 x 51 cm)  
100 lbs (45.4 kg)



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