



UtilityScan™

Locate and Map Underground Utilities with GPR

UtilityScan is the industry standard ground penetrating radar solution for the designation of subsurface utilities. With UtilityScan, users can quickly identify and mark the location and depth of service utilities – gas, communications, sewer lines – and other metallic and non-metallic targets including underground storage tanks and PVC pipes.

The UtilityScan family is configurable and provides the flexibility to address a wide range of utility applications. The selection of the appropriate antenna and cart tailor UtilityScan beyond utility operation to address NDT and environmental applications, including bridge deck assessment and concrete scanning.

Regardless of the configuration, UtilityScan delivers exceptional data quality while being rugged enough to stand up to years of field use.

Typical Uses

- Utility detection – metallic and non-metallic
- Environmental remediation
- Damage prevention
- Road inspection
- Geological investigation
- Archaeology and forensics

Designate Targets

- Real-time data collection
- Back up cursor allows the user to accurately locate targets

Premium Mobility

- Easy to transport
- Durable components tested to withstand the toughest conditions

Integrated System

- Windows® CE operating system
- Ability to store and replay data
- GPS integration

Value

- Multiple antenna options
- Flexible system for concrete and bridge inspection applications
- Two-year warranty



www.geophysical.com

Survey Solutions

Survey Cart Options



Rugged Cart

- Weather resistant design
- Multiple antenna options (2600 MHz to 270 MHz)
- Internal integrated survey wheel encoder
- Removable, 16 inch wheels (41 cm)
- Marking paint can holders
- Compatible with SIR-3000 control unit
- Dimensions: 30.1 x 47.9 x 41.8 inches (76.4 x 121.6 x 106.1 cm)
- Antenna centerline to front of cart: 19 inches (48.3 cm)
- Weight: 58 pounds (26.3 Kg)
- Model 643



Compact Cart

- Compact, weather resistant design
- Multiple antenna options (2600 MHz to 400 MHz)
- Internal integrated survey wheel encoder
- Removable, 12 inch wheels (30 cm)
- Compatible with SIR-3000 control unit
- Dimensions: 24.3 x 39.4 x 40.3 inches (61.7 x 100 x 102.4 cm)
- Antenna centerline to front of cart: 15 inches (38.2 cm)
- Weight: 48 pounds (21.7 Kg)
- Model 653



Standard Cart

- Lightweight and foldable design
- Multiple antenna options (2600 MHz to 400 MHz)
- Integrated survey wheel encoder
- 20 inch front and 24 inch back wheels (51 cm, 61 cm)
- Compatible with SIR-3000, SIR-20, SIR-2000 control units
- Dimensions: 24.9 x 53.3 x 45.8 inches (63.2 x 135.2 x 116.3 cm)
- Antenna centerline to front of cart: 31.6 inches (80.2 cm)
- Weight: 39 pounds (17.7 Kg)
- Model 623

Antenna Options



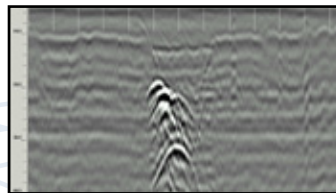
0 - 12 feet*
(0 - 4 m)
400 MHz Antenna



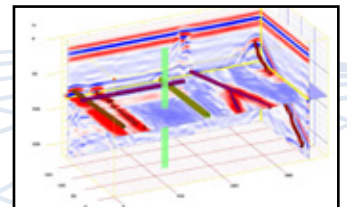
0 - 18 feet*
(0 - 6 m)
270 MHz Antenna

*under ideal soil conditions

Data Options



Real-time 2D Profiles



RADAN 3D Data

Software Solutions: Interactive 3D

RADAN Software

RADAN™ is GSSI's post-processing software. With its modular design, this program allows users to select the processing functions that best suit their needs.

RADAN is Windows™ based, providing a familiar and easy-to-use environment for all levels of experience.

Get More from Your Data with RADAN's Interactive 3D Module

RADAN's Interactive 3D Module provides powerful features for post-processing GSSI's GPR data and offers enhanced 3D viewing options in a single dialog box. Features include:

User-Friendly Interface

† Built for all levels of experience-RADAN's Interactive 3D Module is a Windows™ based software program that provides a familiar and easy-to-use setting for post-processing GPR data.

□ (DEHGDGSEEGHD)

Easy Data Processing

† Take some of the human error out of the equation with semi-automatic mapping of rebar locations and depths on simple concrete structures.

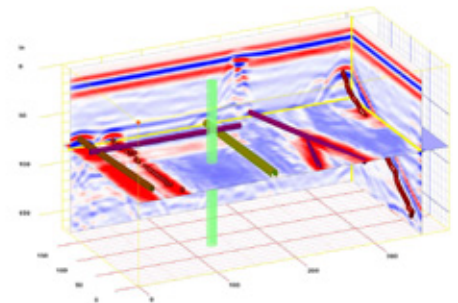
Interactive Interpretation

† Draw in or edit shapes that relate to your survey site (i.e. pipes, drums, line).

□ 6WUHWFMNRURRPRBDMVHVHGIRUEWRPHGSUHMWDWR□ results.

□ Slice through segments of data along various planes for easy interpretation and supplementary information.

□ Analyze multiple views of 2D and 3D data simultaneously.



Module Versatility

† This module allows for a broad range of civil/structural applications, including structures with different types of reinforcement. Use the Structure ID Module in other applications to automatically

GPS Integration

† GSSI's external data logger accepts data from any GPS outputting the NMEA GGA format.

Generic Output Files

† 2MVDHVIRULWUDWRDRA (2D & 3D .dxf) and ArcGIS (.shp).

Help Feature

† Help feature includes key information, several "how to" guides, index and search feature.

