Ultimate GPR System for Utility Locating and Mapping

www.PTBI.ir

UtilityScan® Pro

www.geophysical.com

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 Pro features the SIR 4000 control unit and is configurable to provide 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 and is rugged enough to withstand the job site's toughest conditions.

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 and cross-hair cursor allow the user to accurately locate targets
- Multiple techniques to calculate depth of targets

Premium Mobility

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

Integrated System

- Ability to store and replay data
- GPS integration

Value

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

"GSSI UtilityScan GPR is easy to use, lasts a long time and works well."

Patrick Moulin, GPRS Atlanta

UtilityScan Solutions

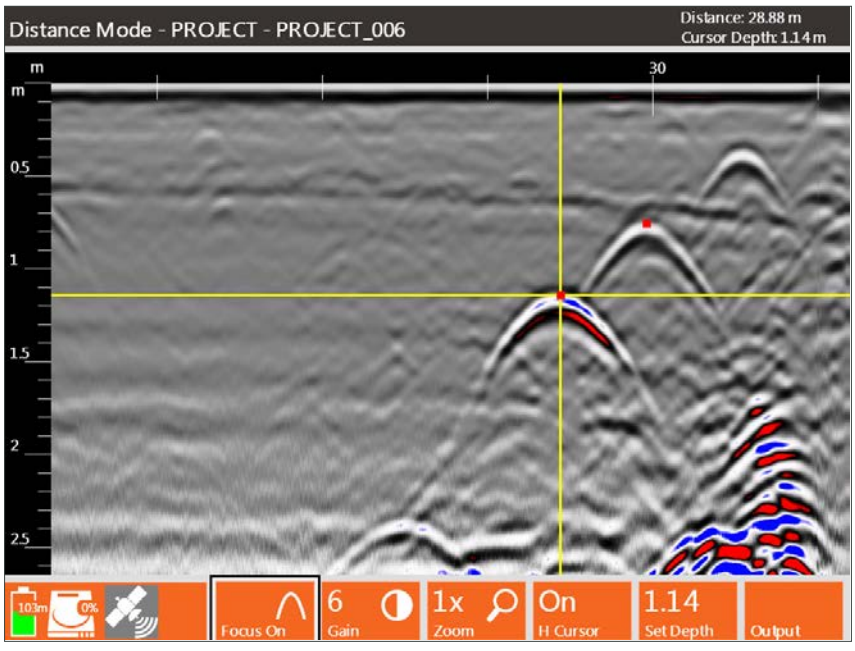
Utilities and contractors have long been frustrated by the fact that reliable paper records on buried utilities are hard to come by. In some areas, utilities have been around for more than a century, and many utilities have been added or abandoned without being recorded.

Damaging utilities can be costly, leading to cost overruns and project delays. GSSI's UtilityScan Pro identifies the location and depth of underground utilities. The SIR 4000 control unit is the foundation of the system. Users can customize the UtilityScan Pro with multiple analog and digital antenna offerings and several cart options. In addition, the UtilityScan incorporates advanced display modes and filtering capabilities for 'in-the-field' processing and imaging. Fully integrated, the system provides a simple user interface, plug-and-play GPS integration, and convenient data transfer options.

UtilityScan Pro - 400 MHz Antenna

Shown with Model 624 Cart

The 400 MHz is GSSI's most popular analog antenna, and has been the standard in utility locating since 2002. Used worldwide, the 400 MHz antenna can reach depths of up to 4 meters (12 feet) and is ideally suited for detection and mapping of utility pipes, as well as shallow engineering and environmental applications.



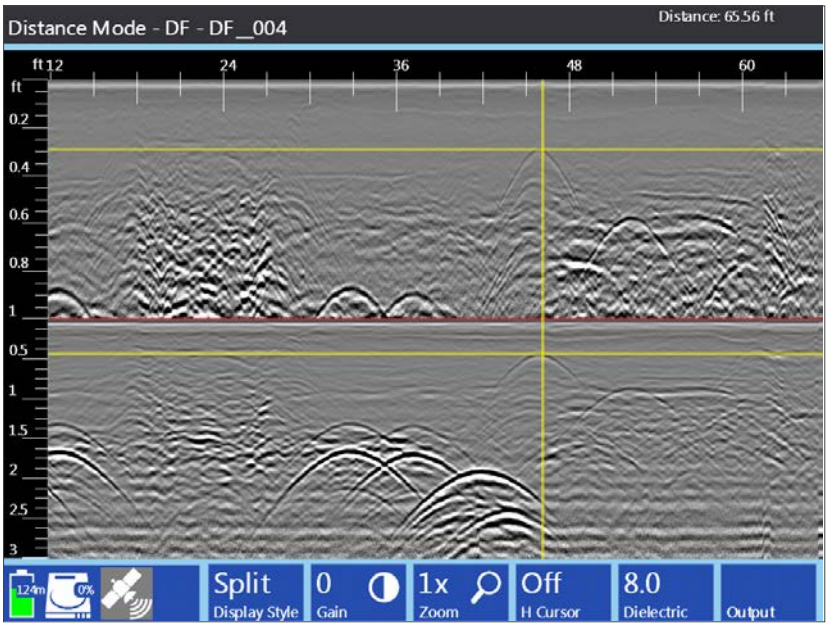
Data illustrates several metallic targets at varying depths. Crosshair indicates the top of a target.

Data collected with:
SIR 4000 and 400 MHz antenna

UtilityScan Pro - 300/800 Dual-Frequency Antenna

Shown with Model 654 Cart

The 300/800 Dual Frequency antenna is GSSI's first digital antenna offering. Since 2012, the 300/800 DF antenna has gained popularity in the utility locating industry. The combination of two frequencies allows users to locate targets at depths of up to 5 m (16 feet), and provides high resolution data for both shallow and deep targets.



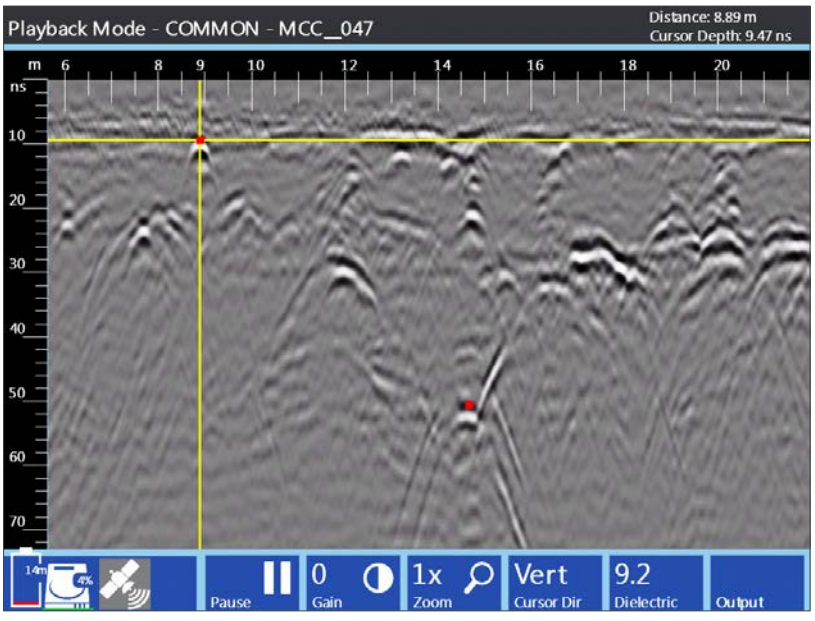
Data represents multiple utilities at shallow and deeper depths.

Data collected with:
SIR 4000 and 300/800 DF antenna, and shown in Split display mode.

UtilityScan Pro - 350HS Antenna

Shown with Model 654 Cart

The 350 HS is a state-of-the-art digital antenna designed on the foundation of our revolutionary, patented HyperStacking technology. Our HS technology greatly improves the depth and data resolution performance of traditional RTS technologies. The 350 HS can reach depths of up to 12 meters (40 feet) in ideal soil conditions.



Data illustrates various utilities and trenching efforts at a historic golf course.

Data collected with:
SIR 4000 and 350 HS antenna

UtilityScan Flexibility

Concrete Scanning and Inspection

Use ground penetrating radar to locate embedment within concrete structures prior to cutting or coring. Collect quantifiable data on rebar location and areas of delamination.

Bridge Deck Inspection

By substituting the standard utility antennas with a high frequency antenna, users can determine the condition of aging bridge decks, parking structures and obtain accurate concrete cover depth on new structures.

Archaeological Investigation

Archaeologists and remote sensing specialists around the world rely on GSSI ground penetrating radar instruments as a key tool for non-invasive site investigation. Whether the goal is site mapping for excavation or locating sensitive cultural resources for preservation or avoidance, GSSI's GPR technology has been the tool of choice for over 40 years.

Geophysical Investigations

Ground penetrating radar offers an accurate, non-destructive solution to mapping the subsurface of the earth. With GSSI GPR antennas, it is simple to locate features of interest and subsurface layers in real time.

System Includes

- SIR 4000 control unit with AC/DC power supply
- Choice of antenna: 400 MHz, 300/800 DF, 350 HS
- Choice of survey cart: Model 624, 644 or 655
- Antenna control cable
- 2 batteries
- Dual-bay battery charger
- Custom transit case for control unit
- Sunshade
- User manual

Accessories

- 270 MHz antenna
- Sunshade
- Target Marker

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CE and FCC Compliant