



# State-of-the-Art GPR System for Utility Locating

## UtilityScan<sup>®</sup> HS

[www.geophysical.com](http://www.geophysical.com)

The UtilityScan HS is GSSI's newest GPR system designed specifically for the utility locating industry. It incorporates the 350 HS antenna, a state-of-the-art digital antenna designed with our 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) and is ideally suited for detection and mapping of utility pipes, as well as shallow engineering and environmental applications.



- 1** Touch-screen control unit
- 2** Interior, 350 MHz HyperStacking antenna
- 3** Adjustable, protective capsule
- 4** Ergonomic handle and flexible mount
- 5** Rugged, removable wheels
- 6** Internal, integrated survey wheel encoder

### 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

### Integrated System

- Patented HyperStacking technology
- Easy-to-use, user selectable text or icon-based interface
- Full GPS integration

### Premium Mobility

- Customize your system with choice of two cart options
- Cart designs that are easy to transport and assemble

### Superior Data Quality

- High resolution data
- RF noise immunity
- Better depth penetration than traditional GPR antennas

Shown with Model 655 Survey Cart

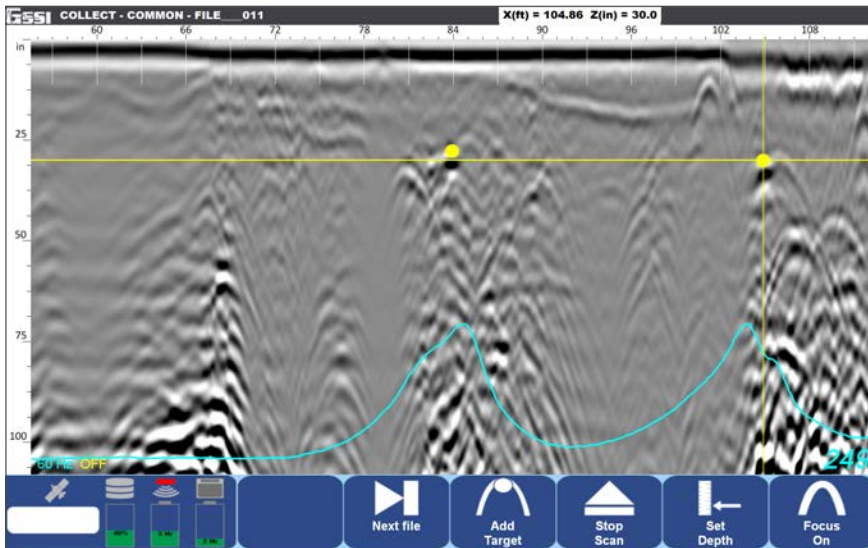
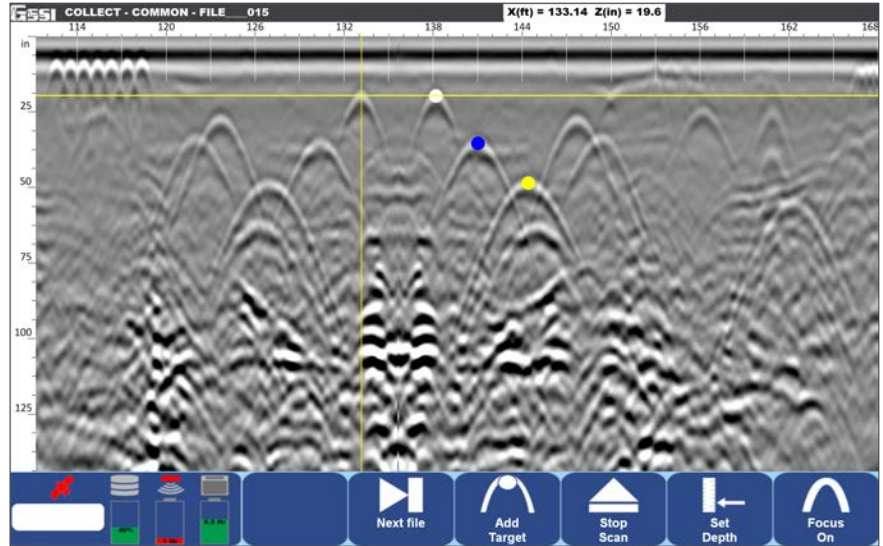


# UtilityScan HS Advantages

UtilityScan HS features our revolutionary HyperStacking technology. With HyperStacking, users can achieve better overall data resolution, RF noise immunity, and increased depth penetration than traditional GPR antennas. The UtilityScan HS also provides advanced signal processing tools such as stacking, signal floor tracking and background removal.

## HyperStacking™ Technology Explained

HyperStacking (HS) is a revolutionary real-time sampling (RTS) technique patented by GSSI, which greatly improves the receive performance of a GPR system while maintaining the measurement speed and radiated emission limits. It is achieved by a method of averaging (i.e., stacking) the results of many individual scans that allows for clearer images.



Data illustrates several metallic and non-metallic utilities at varying depths.

Data illustrates two power lines entering a large commercial building. Blue line indicates that radar target contains live power (50/60 Hz).

Data collected with UtilityScan HS and our exclusive LineTrac system.

### System Includes

- Panasonic Toughpad FZ-G1
- 350 HS antenna (350 MHz)
- Choice of survey cart with encoder wheel
- 2.1 meter digital antenna control cable
- 2 batteries
- GSSI dual bay battery charger
- Custom transit case for control unit
- Sunshade
- Quick Start Guide

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