



StructureScan™ Mini Series

Complete GPR System for Concrete Inspection and Analysis



Compact Design

The StructureScan Mini makes concrete inspection easy in tight spaces

Integrated Tool

All-in-one concrete inspection tool - antenna, positioning system and control unit combo

System Flexibility

The StructureScan Mini is offered in two versions, the original system that generates 2D data, or the new system with 3D capabilities

Durability

Ruggedized plastic casing and wheels for long-lasting performance

Value

The perfect blend of performance and cost and comes with a two-year warranty

- 1 All-in-One handheld GPR system
- 2 Ergonomic handle and controls
- 3 Easy to use operator interface with color display screen
- 4 Survey wheel with encoder
- 5 Guiding laser for locating



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StructureScan Mini Series

Introducing the Mini - our smallest StructureScan system. The StructureScan Mini is ideal for locating the position and depth of rebar, conduits, post-tension cables, and voids in up to 16" (0.5m) of concrete. The high resolution, LED backlit 5.7" display provides a detailed image of the subsurface structure. In addition to viewing, the data image can be stored directly to a SD-RAM card for later playback, or transferred to a computer for printing or integration into a report.

The StructureScan Mini is lightweight, weighing in at just over three pounds. The small size of the unit makes it easy to transport to the job site and once on site, convenient to scan around obstacles and into tight spaces. The Mini is very easy to use – new users will become proficient in a few short hours. The Mini aids in target detection by marking the data on screen with a small dot when a rebar or a conduit is identified. The lasers on the side of the unit indicate the exact location of the center of target for accurate marking prior to cutting or coring.



StructureScan Mini

The StructureScan Mini is GSSI's portable integrated GPR system for concrete inspection. This hand held unit is used to locate rebar, conduits, post-tension cables, voids and determine concrete slab thickness.

The StructureScan Mini produces a 2 dimensional display (distance, depth) of a scanned section of concrete.

StructureScan Mini 3D

The StructureScan Mini 3D adds the capability of presenting information as an intuitive 3 dimensional display (length, width, depth) to the basic StructureScan Mini. The user can view the data from overhead in a plan view, or slice down through the data to identify individual features buried at multiple depths within the concrete. Collecting data in 3D is as easy as One, Two, Three ...

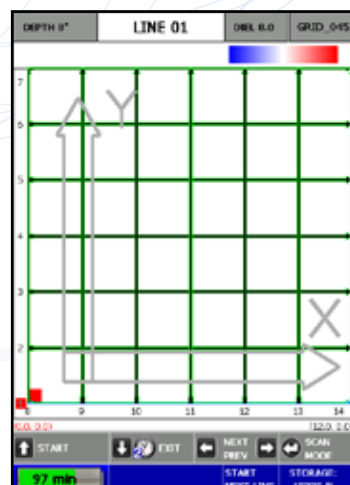
Step One

Enter Collect mode

START COLLECT Grid 023	
3D PROJECT	Pr3D_1
DEPTH	20
DIELECTRIC	8.0
GRID TYPE	2x2
COLOR	
77 min	20:47:08
STORAGE:	2418 m

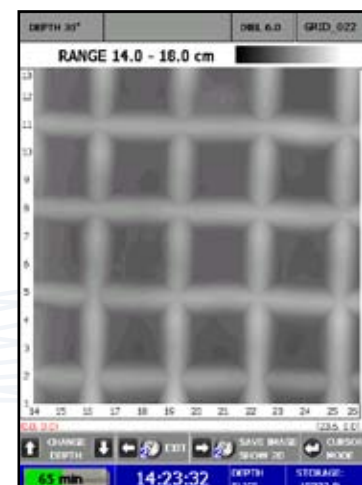
Step Two

Collect data lines to build grid



Step Three

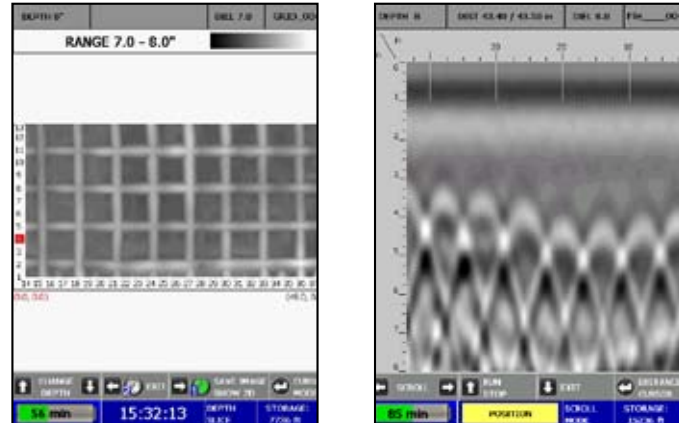
Interpret data directly on system



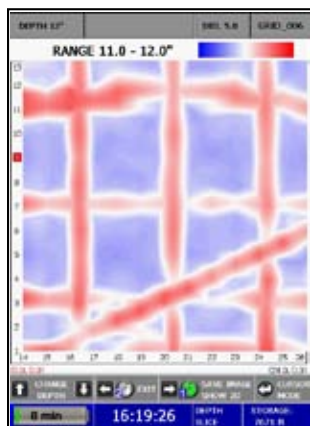
Concrete Inspection Solutions

Using GPR to Locate Rebar

Concrete and construction professionals use ground penetrating radar to safely locate structures within poured concrete prior to drilling, cutting or coring. Take advantage of locating targets in real time, with only single-sided access required.

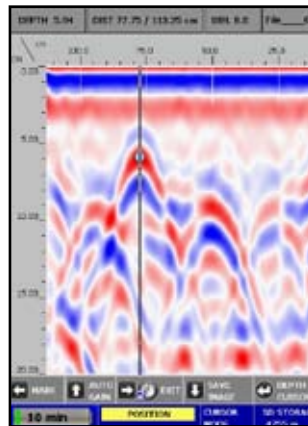


3D and 2D data set of post-tension cable in concrete slab.



3D and 2D data set of rebar mat with horizontal and angled PT cables.

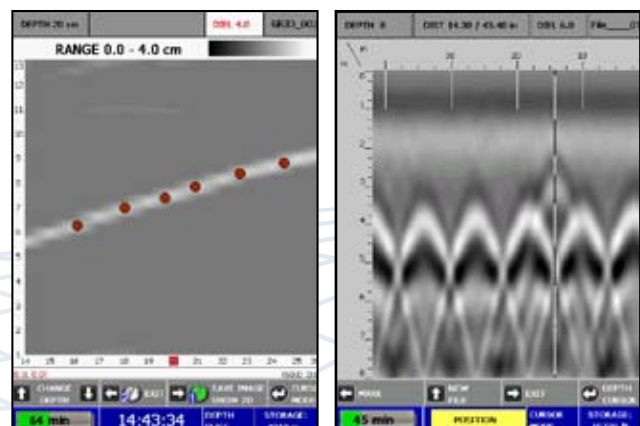
Establish Location and Depth of Post-Tension Cables in Concrete with GPR



StructureScan helps concrete professionals and contractors find the location and depth of post-tension cables. Let StructureScan identify the characteristics of the survey area, such as where the cables drape, for added safety.

Detect Non-metallic Conduit in a Concrete Slab

Contractors and engineers alike use StructureScan to differentiate between conduit and metallic objects.



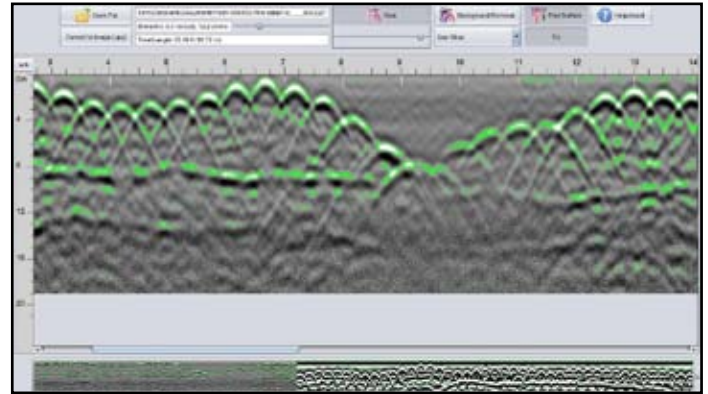
3D and 2D data set of conduit and rebar mat.

StructureScan Mini Viewer

The StructureScan Mini Viewer software is a free online visualization program for the GSSI StructureScan Mini. The software is ideal for basic post processing of 2D StructureScan Mini data files.

Features include:

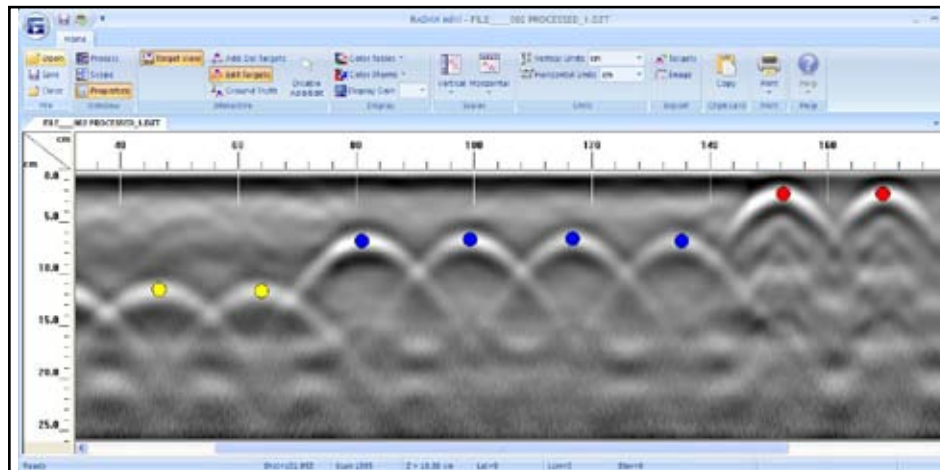
- Gain (contrast) control
- Background Removal
- Color Table
- Save/Convert to images



RADAN for StructureScan Mini

RADAN for StructureScan Mini is specifically made for the StructureScan Mini Series. It is designed to process, view, and document 2D data collected with the StructureScan Mini. RADAN for StructureScan Mini can perform the following functions:

- Copy images to third party software for documentation purposes
- Save images
- Print to all Windows supported printers
- Background Removal filtering
- Establish Ground Truth for near accurate depth calculation
- Dielectric calculation
- Colorize the data
- Add targets and export target information in an Excel format
- Gain (contrast) control



Systems Include

StructureScan Mini
Dual Battery Charger
Two Batteries
Hand Strap
Transit Case
Quick Start Guide
Training Video
Data collection grids (3D system)
2-year warranty

System Specifications

Center Frequency: 1600 MHz
Depth Range: Up to 16 inches (41 cm)
Unit Weight (with battery):
3.3 pounds (1.6 kg)
Dimensions: 6 (w) x 7 (h) x 9 (l) in.
(15.24 x 17.78 x 22.86 cm)
Languages: English, Spanish, French
Environmental: IP-65

Software Options

StructureScan Mini Viewer:
2D data processing
RADAN StructureScan Mini:
2D data processing
RADAN 7:
2D and 3D data processing

