IDS GeoRadar

C-THRUE

See Thru Concrete Structures and Reveal True Data that Lead to Optimal Decision-Making

C-thrue

All-in-one GPR for accurate scanning and real time analysis of concrete structures

PART OF HEXAGON

IDS GeoRadar: The leader in multi-frequency and multi-channel Ground Penetrating Radar

www.idsgeoradar.com

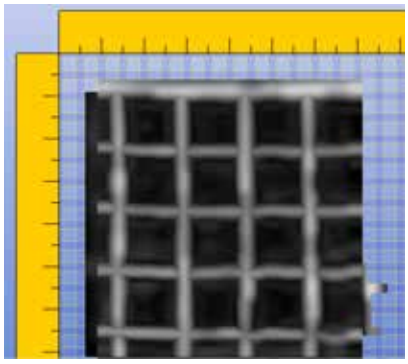
IDS GeoRadar | C-THRUE

SEE THROUGH CONCRETE STRUCTURES AND REVEAL TRUE DATA

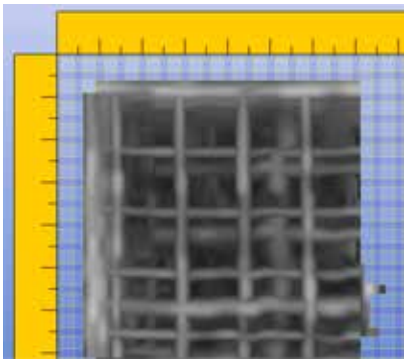
Construction and service companies as well as civil and structural engineers can improve the way they **locate rebars, voids, post-tension cables, cavities, conduits** and any other objects buried in the structure before cutting or drilling into the concrete.

UNIQUELY IMPROVE DECISION-MAKING

- **Dual antenna polarisation** for the optimal detection of both first and deeper levels of rebars;
- **Virtual Pad** - Built-in, automatic, and highly accurate position and navigation system;
- **Augmented Reality** for 3D data visualisation.



Standard GPR visualisation



C-thrue visualisation: dual antenna polarisation allows the optimal detection of both first and deeper levels of rebars

Automatic position and navigation system (Virtual Pad) increases productivity and reduces survey times.

Augmented Reality for real time data visualisation with more accuracy

FEATURES AND BENEFITS

Clearer and faster surveys: First and deeper levels of rebars detection thanks to the system's dual antenna polarisation.

Fully-visible, multi-touch display: data displayed on the screen are never obscured by the handle or the user's hand.

Increased data accuracy: an automatic position and navigation system eliminates all manual, error-prone paper grids.

Automated data acquisition & analysis: automatic detection of the first layer of rebars and result exportation.

Safe drill in the surveyed structure: Improve safety before cutting or drilling into concrete with rebar/void automatic insight capabilities.

Simplified data interpretation: optimal decision-making supported by visualisation of acquired data in 3D models

Advanced data visualisation: augmented reality for 3D data visualisation and sharing, in real time or intervals after acquisition.

Flexibility anywhere: lightweight, compact, drop resistant and transportable system for any user operations and construction sites.

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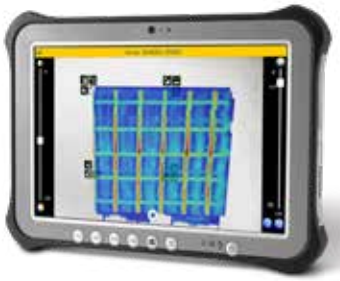
ALL-IN-ONE, COMPACT AND PORTABLE SYSTEM



Wi-fi connection for real time remote control, data processing and Augmented Reality

Positioning Kit and Telescopic Pole

Case

TECHNICAL SPECIFICATIONS	
ANTENNA CENTER FREQUENCY	2.0 GHz
ANTENNA POLARISATION	Horizontal and Vertical
NUMBER OF RADAR CHANNELS	2 (dual-polarised antennas)
SCAN INTERVAL	Up to 10 scans/cm
DEPTH RANGE	Up to 80 cm (up to 31.5 in.)
POSITIONING SYSTEM	"Virtual Pad" (based on 3 High safety - Class 1 laser sensors with reflective bars)
AC POWER CONDUITS DETECTION	EM sensor integrated (50/60 Hz)
CONNECTIVITY	USB, Wi-Fi
DROP RESISTANT	COMPLIANT WITH MIL-STD-810G

MECHANICAL SPECIFICATIONS	
DIMENSIONS (LENGTH X WIDTH X HEIGHT)	285mm x 200mm x 160mm (11,2in x 8,6in x 6,3in)
WEIGHT	2.4 kg (5 lb) with battery
DISPLAY	7.0 inches TFT multi-touch

ACCESSORIES SPECIFICATIONS	
C-THRUE EXTERNAL CONTROLLER	Real time remote control, Data processing and representation of results in Augmented reality
C-THRUE POLE	• Telescopic aluminium pole • 1, 8 m (6ft) • Remote control buttons

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