IDS GeoRadar

Stream C
The compact solution for
accurate 3D utility mapping

High quality, High productivity and Simple to Use compact
radar system for real time underground surveys

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

www.idsgeoradar.com

PART OF HEXAGON

IDS GeoRadar

Stream C

Stream C is the compact solution for real time 3D mapping of underground utilities and features. Thanks to increased level of accuracy provided by a massive antenna array, Stream C is able to automatically detect pipes and cables.

Daily use of Stream C is aided by ergonomic features including electronic ride height adjustment, options to tow manually or with a small vehicle and a motor assisted drive wheel.

Stream C is available in Basic and Advanced configuration

Stream C antenna array

STREAM C BENEFITS

- High Productivity: surveys only need to be performed in one direction to ensure optimal detection for both longitudinal and transversal pipes.
- No advanced training needed: the system automatically detects and locates the position of pipes in real time and displays them on screen.
- Reduced user fatigue: thanks to electronic ride height adjustment and a motor assisted drive wheel.
- Facilitates large surveys: the system can be towed manually or with a small vehicle, increasing the acquisition speed (up to 5 km/h).

Stream C pivoting and motorized front wheel

STREAM C FEATURES

- Massive array of 34 antennas in two polarizations: this enables an accurate 3D reconstruction of the underground utility network to be created in a single scan.
- Automatic Pipe Detection (APD): real time automatic detection of buried pipes and cables
- Compact size: Stream C's small dimensions enable it to survey areas inaccessible to larger array systems while maintaining the same accuracy.
- Robust construction: built to the highest standards and with hardwearing materials so that it can be used in harsh, demanding environments.
- 3D radar tomography: real-time tomography on a GPS or Total Station assisted cartographic background.
- Professional subsurface survey: pipes, cables and buried objects can be automatically transferred to CAD and GIS formats allowing a complete subsurface GIS based digital map to be quickly produced.
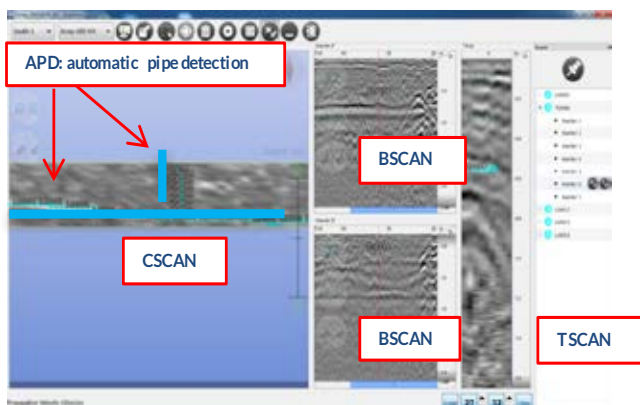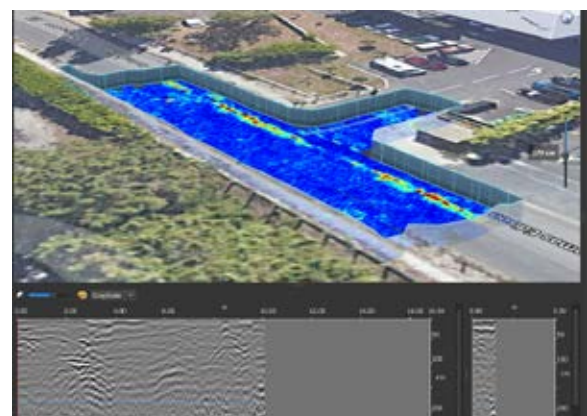

Stream C with vehicle towing kit

Stream C adjustable handle

One Vision: real time acquisition software with APD (Automatic Pipe Detection)

IQMaps: post processing software with pipe results
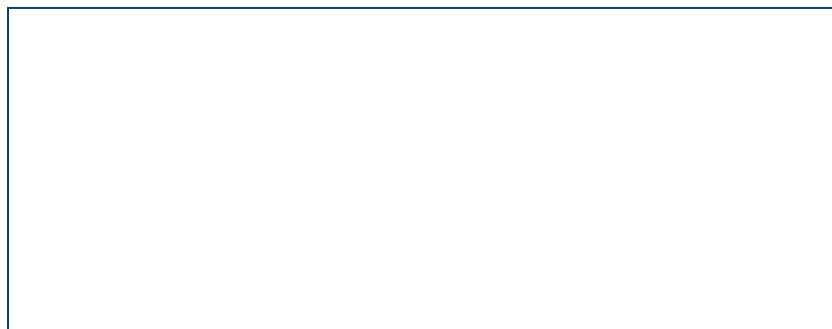
IDS GeoRadar

Stream C configurations:
Basic or Advanced

Electronic ride height adjustment of antenna

Adjustable handle gives you always the perfect grip

Pivoting wheel working in vehicle towed version

Dense antenna array for accurate 3D mapping

No exposed cables gives you peace of mind assurance of no rupture in the field

Dedicated GPS Pole mounting kit

SYSTEM SPECIFICATIONS			SOFTWARE SPECIFICATIONS	
BASIC Configuration	OVERALL WEIGHT (PC not included):	75kg (lbs)	One Vision Acquisition Software	- Automatic calibration for an easy and quick start-up- -Metric and Imperial units- Several filter option and filters macros- Visualization and storage of antenna array data set (32 channels) - Real time visualization of radar tomography (time slices) at different depths- Mark of targets and pipes through software- Multilanguage software- Connection with NMEA positioning device- export to CAD, dxf and shp formats
ADVANCED Configuration	OVERALL WEIGHT (PC not included):	95kg (209 lbs)		
RECOMMENDED LAPTOP:		Panasonic FZ G1		
MAX ACQUISTION SPEED:		5km/h (3,1 Mph)		
POWER CONSUMPTION:		60W		
POSITIONING:		integrated encoder and/or GPS/Total station		
RADAR POWER SUPPLY:		SLA battery 12V DC 12 AH	ADP tool for One Vision Acquisition Software (optional)	- Automatic Pipe Detection tool
ENVIRONMENTAL:		IP65		
ANTENNA FOOTPRINT:		120x57 cm		
NUMBER OF HARDWARE CHANNELS:		32 (23VV-9HH)		
ANTENNAS CENTRAL FREQUENCIES:		600 MHz	IQMaps Processing Software	- Revolutionary Interface - Large Areas Acquisition - User-friendly - Georeferenced Data - Data easy to be managed
ANTENNA POLARIZATION:		HH and VV		
SCANNING WIDTH:		96 cm		
CERTIFICATION:		EC, FCC, IC		

IDS GeoRadar, part of Hexagon, provides products and solutions, based on radar technology, for mining, civil engineering and monitoring applications. The company is a leading provider of Ground Penetrating Radar (GPR) and Interferometric Radar solutions worldwide.

IDS GeoRadar is committed to delivering best-in-class performance solutions and to the pursuit of product excellence, through the creation of application-specific, innovative and cost-efficient systems for a wide range of applications including mining, utility detection and mapping, civil engineering, geology, archaeology and public safety.

Hexagon is a global leader in digital solutions that create Autonomous Connected Ecosystems (ACE). Hexagon (Nasdaq Stockholm: HEXA B) has approximately 20,000 employees in 50 countries and net sales of approximately 3.8bn EUR. Learn more at hexagon.com and follow us **@HexagonAB.**

IDS GeoRadar
Via Augusto Righi 6, 6A, 8 - 56121 Ospedaletto, Pisa, Italy
Tel. +39 050 098 9300
www.idsgeoradar.com
info@idsgeoradar.com

PART OF
HEXAGON

IDS
GeoRadar