

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

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 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 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 antenna array



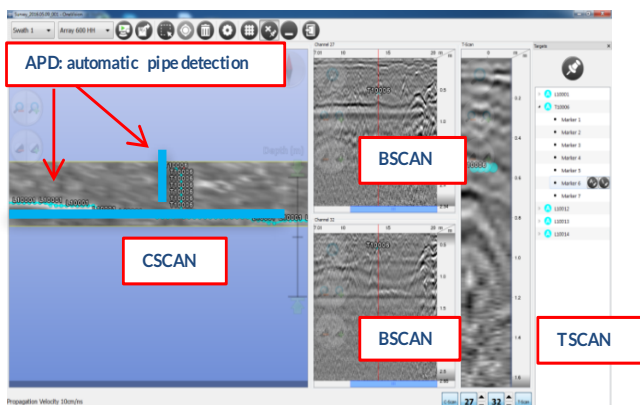
Stream C pivoting and motorized front wheel



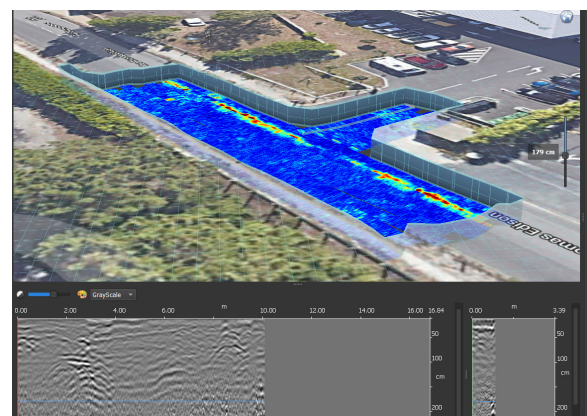
Stream C with vehicle towing kit



Stream C adjustable handle



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



IQMaps: post processing software with pipe results

Stream C configurations:

Basic or Advanced

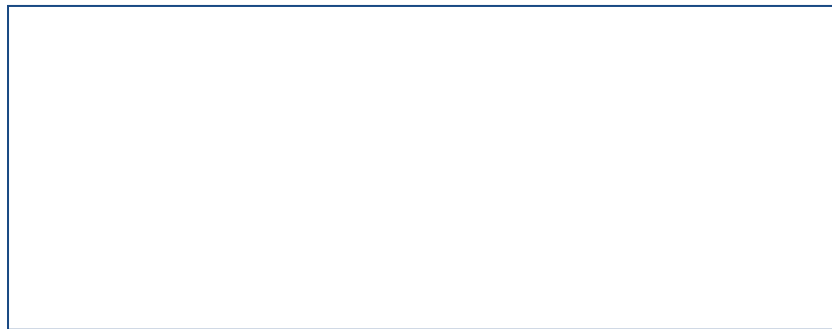


SYSTEM SPECIFICATIONS			SOFTWARE SPECIFICATIONS	
BASIC Configuration	OVERALL WEIGHT (PC not included):	75kg (lbs)	One Vision Acquisition Software	<ul style="list-style-type: none"> - Automatic calibration for an easy and quick start-up- -Metric and Imperial units- Several filter option and filters macros- 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 ACQUISITION 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		
ENVIRONMENTAL:		IP65	ADP tool for One Vision Acquisition Software (optional)	- Automatic Pipe Detection tool
ANTENNA FOOTPRINT:		120x57 cm		
NUMBER OF HARDWARE CHANNELS:		32 (23VV-9HH)		
ANTENNAS CENTRAL FREQUENCIES:		600 MHz	IQMaps Processing Software	<ul style="list-style-type: none"> - 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 8934 100
www.idsgeoradar.com
info@idsgeoradar.com