

Opera XR

The advanced GPR solution for an easy utility detection



Go deeper, see clearer and work smarter with
EsT technology

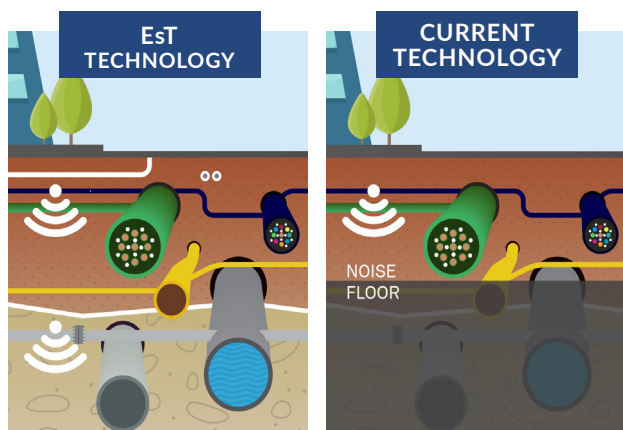
IDS GeoRadar: The leader in multi-frequency and multi-channel
Ground Penetrating Radar

www.idsgeoradar.com

Opera XR

The advanced GPR solution for an easy utility detection

Opera XR is a compact, easy to transport and deploy ground penetrating radar for fast and accurate underground asset detection; featuring the new radical Equalized scrambled Technology - EsT by IDS GeoRadar, Opera XR brings underground assets detection to the next level: the deepest and clearest one.



EsT | Equalized scrambled Technology: a new depth in utility detection.

Thanks to patented EsT technology, Opera XR delivers an unparalleled detecting performance providing the best data quality and increasing penetration depth by 40% to 60% compared to traditional devices.

This technology is able to exploit the entire radiating performance of the antenna for full control of the GPR signal, Opera XR provides users with an accurate detection of underground utilities and optimal data quality with the best noise rejection for their peace of mind.



DESIGNED FOR FLEXIBILITY: COMPACT, LIGHT AND CUSTOMISABLE

Opera XR allows effortless data collection with its lightweight (20 kg | 44 lb), modular and compact design. The dual-frequency antenna mounting system is height-adjustable and offers an easy polarization switch (HH and VV). Handlebar is foldable for easy deployment and the device can be easily maneuvered and transported by a single operator.



PREMIUM ON-SITE PERFORMANCE SEE MORE, BETTER AND DEEPER

Opera XR boasts unmatched resolution and extraordinary depth investigation detecting hidden utilities more clearly at both shallow and deeper levels. The "Quick Scan" mode helps streamline field operations with an intuitive and easy detection of the underground pipe network: from real time marking and digitalization of detected anomalies to quick on-site reporting.



GREATER EFFICIENCY FOR SAFETY AND HIGH PRODUCTIVITY

As urban spaces grow more congested, advanced underground detection systems have become essential to avoid costly setbacks during excavation, and keep working timelines on track. With Opera XR, users benefit of reduced time and costs for a safe data collection - surveys are successfully managed by one operator - removing potential downtimes and limitations in surveying.



SYSTEM SPECIFICATIONS

- Double channel
- Inspection range: 80 MHz - 1500 MHz
- Total weight: 20 kg (44 lbs)
- Positioning: Encoder; external GPS and TPS
- Operating temperature: -20 °C to +50 °C (-4 °F to 122 °F)
- Certification CE, UKCA, FCC, IC
- Environmental: IP65

NON-STOP PERFORMANCE

- Battery life (1 battery > 4h; 2 batteries > 8h)
- Hot swap technology for power supply

EST TECHNOLOGY

- Extended depth range and high resolution
- Unparalleled control of the GPR signal
- Patented technology

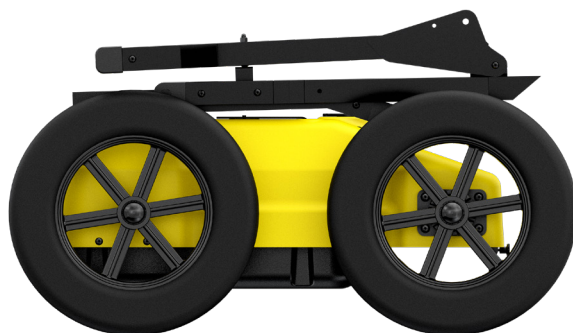
ACCESSORIES

- External positioning support
- Rugged off-road wheels
- Hard shipping box



CONFIGURATIONS

- Asphalt -> pivoting wheels
- Rugged -> terrain wheels [OPTIONAL]



B.

A.



Designed for easy handling by single user:

A. Open configuration for usage: 750x625x1000 mm (30x25x40 in)

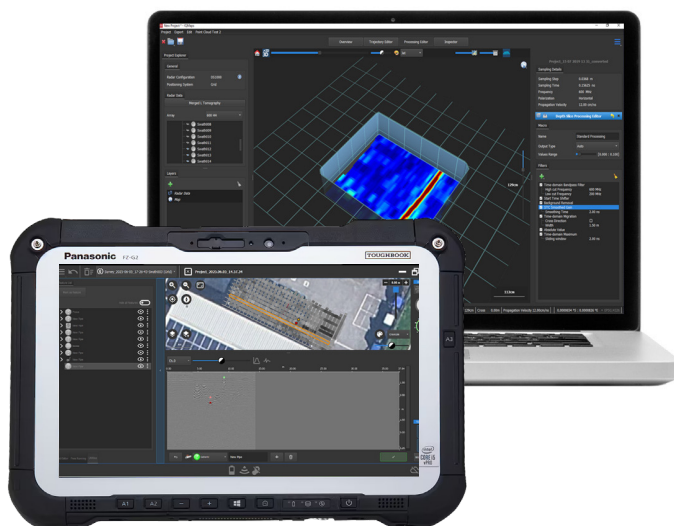
B. Folded configuration for easy transportation and storage: 750x625x420 mm (30x25x17 in)

No-limit to data collection and easy management.

Opera XR employs the latest software technology solutions for data collection and post processing: **uMap** and **IQMaps**.

The on-field software **uMap**, allows for faster collection and improved management of data with an easy-to-use interface that even unskilled users can comfortably manage.

IQMaps is IDS GeoRadar's post-processing software application for the advanced analysis of GPR data, enabling fast interfacing between the user and GPR data itself.





HEXAGON



IDS GeoRadar

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 (Nasdaq Stockholm: HEXA B) has approximately 24,800 employees in 50 countries and net sales of approximately 5.4bn EUR.

Learn more at hexagon.com and follow us @HexagonAB.

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