PRODUCT BROCHURE

Chaser XR

2D ground penetrating radar for subsurface surveys



One system. Different survey tasks.

Chaser XR combines a compact antenna, a wide frequency range and EsT technology. Choose the survey method and positioning to suit the terrain and the objectives of your geophysical, archaeological or engineering investigation.

80-1500 MHz

frequency range

4.8 kg

antenna without batteries

41 × 41 × 19 cm

antenna dimensions

Price and configuration on request

Original adaptation: geoscanners.pl. Based on IDS GeoRadar materials.
Photos and data: IDS GeoRadar / Hexagon. Edition: 19.10.2026.

From field profiles to data analysis

Plan the survey around the site and your research question. Chaser XR collects profiles in different environments and links them to positioning data.



Field profiling



Structural and tunnel investigations

Wide bandwidth and EsT technology

EsT (Equalized scrambled Technology) uses low and high frequency components and helps reduce the effects of interference. Selecting survey parameters and interpreting profiles remain part of the geophysicist's work.

uMap - acquisition

Acquire, store and view data in the field. Automatic calibration, time slices and NMEA positioning support survey operation and documentation.

IQMaps - processing

3D data processing and analysis, cloud data services and direct export to AutoCAD. Software licence scope is agreed in the quotation.

Applications: geophysics and environmental studies, archaeology, structures and tunnels, ice and snow investigations.

Actual penetration and data quality depend on factors including the surveyed material, moisture, survey technique and interpretation.

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Configured for the way you work

Lite Pack, Drag Kit, Positioning Kit or hand-push cart: choose a configuration to suit site access and your survey plan.

ANTENNA

Frequency range	80-1500 MHz
Technology	EsT
Number of channels	2
Polarisation	HH and VV configurations
Dimensions	41 × 41 × 19 cm
Weight	4.8 kg without batteries
Operating temperature	From -20°C to +50°C
Connectivity	LAN or Wi-Fi
Operating time	Up to 8 h; hot-swap function



Chaser XR antenna

HAND-PUSH CART

Cart weight / with antenna	14 kg / 20 kg
Folded dimensions	750 × 625 × 420 mm
Standard / optional wheels	Ø 310 mm / Ø 380 mm



Cart configuration

Scope of supply agreed in the quotation

Configuration, GNSS/GPS/TPS positioning, computer or tablet, accessories and licences require selection. Images show example equipment configurations.

Tell us about your survey - we will prepare a quotation.

GeoScanners
SKLEP INTERNETOWY

Let's discuss your survey

Chaser XR: configuration advice, demonstration and a tailored quotation.

HEXAGON | IDS GeoRadar





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Ask for a configuration and quotation

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