Opera Duo
First class underground surveys

Dual frequency antenna lets you see shallower as well as deeper targets. Advanced GPS integration allows you to perform professional surveys. New design and parts make it practically indestructible. ALL THESE FEATURES IN THE MOST INTUITIVE GROUND PENETRATING RADAR EVER.
Opera Duo Features

**Superior maneuverability**
A large, comfortable handle to make pushing and pulling easier, large wheels for better control and a balanced weight distribution to offer the minimum resistance.

**Robust**
Engineered and built to withstand the harshest field conditions, the Opera Duo is suitable for heavy use in every type of terrain.

**Easy to use**
Opera Duo uses an intuitive interface. Just click the start button to receive the best performance in every soil condition. There is no longer a need to perform calibration or adjust any other manual settings.

**Results delivered on site**
IDS’s proprietary solution tracks the position of the radar and marks targets automatically. All of the acquired data can be exported to CAD and a report can be produced directly on site.

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**Opera Duo configuration:**

- **Pivoting head** provides better contact on uneven terrain and reduces signal loss.
- **Remote controlled spray paint** in order to mark your findings.
- **Dual-frequency antenna** to locate deep and shallow targets simultaneously.

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**SYSTEM SPECIFICATIONS**

- **OVERALL WEIGHT**:
  - PC and Battery Not Included: 24 kg two wheels (53 lbs)
  - 27 kg four wheels (59 lbs)

- **RECOMMENDED LAPTOP**:
  - Panasonic CF-H2

- **MAX. ACQUISITION SPEED**: more than 10 kph (6 mph)

- **POWER CONSUMPTION**: 13.3 W

- **POSITIONING**:
  - 2 integrated encoders and/or GPS - Total station

- **SCAN RATE PER CHANNEL (@512 SAMPLES/SCAN)**: 381 scans/sec

- **SCAN INTERVAL**: 42 scans/m

- **POWER SUPPLY**: SLA Battery 12VDC 12 AH

**ANTENNA SPECIFICATIONS**

- **ENVIRONMENTAL**:
  - IP65

- **ANTENNA FOOTPRINT**: 40 x 50 cm

- **NUMBER OF HARDWARE CHANNELS**: 2

- **ANTENNA CENTRAL FREQUENCIES**: 250MHz and 700 MHz

- **ANTENNA ORIENTATION**: Perpendicular, broadside

- **SAMPLING FREQUENCY**: 400 KHz