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The Scudo is an Ultra-Wideband (UWB) shielded pulsed Ground Probing Radar (GPR) for non-destructive imaging of subsurface structures. It comprises of a transmitter and receiver boards and antennae, a controller board and a distance measurement device.

Every engineer's tool

Indispensible tool for every researcher, archaeologist, geoen-gineer or urban planner.

Quick assembly & startup

No fuss assembly and startup in less than 10 minutes.

Versatile & robust

Made for the harsh outdoors and construction sites - water-proof, rock friendly, made to endure.

Noise reduction technology

PCBs designed with low noise topologies producing state of the art tech.

Cheap controller in your pocket

Connect to your Android device, press start and you are now surveying.

Lightweight & easy carry

Packaged neatly in a lightweight backpack, the whole system is under 3kg.

Live data, no latency

Live feed of what is under your feet - no delays, no confu-sions.





Utility Mapping and Urban Planning

- Detect gas and water pipes
- Map underground cable & wire infrastructure
- Ensure health & safety by knowing where to drill
- Discover old cities' underground web of tunnels

Infrastructure Maintenance & Control

- Detect sinkhole-prone areas and prevent damage
- Ensure road safety by locating cracks and weak spots in the asphalt
- Inspect bridges for structure stability

Construction Management

- Evaluate construction site stability
- Ensure concrete structural stability

Mining

- Mine site evaluation ensures health & safety
- Rock mass stability & overburden determination
- Mineral exploration & tunneling design

The Research Community

- Stratigraphy & strata mapping and definition
- Water & gas pockets detection, study landslide-prone areas
- Glaciology & ice thickness determination

Archaeologists

- Find pottery, weaponry or other tools of communities past
- Locate lost cities, burial sites and places of worship



Silt
4.74m

Limestone
5.67m

Concrete
6.12m

Granite
6.71m

Coal
7.50m

Asphalt
8.66m

Clay
8.66m

Sand
8.66m

Polar Snow
12.68m

↔
0.1m

↕ **0.05m**

Frequency Bandwidth

30 MHz - 900 MHz

Central Frequency

500 MHz

Time Windows

50ns / 100ns

Dynamic Range

min 120 dB

Battery Autonomy

7h / 14h

Min Vertical Resolution

0.05 m

Min Horizontal Resolution

0.1 m

ADC Range

8 bit

Size

38 / 35 / 15 cm

Weight

3 kg

Fast & Easy Process

3 - 7 business days



Share your project needs



Place your order



Complete payment



Express delivery to your door

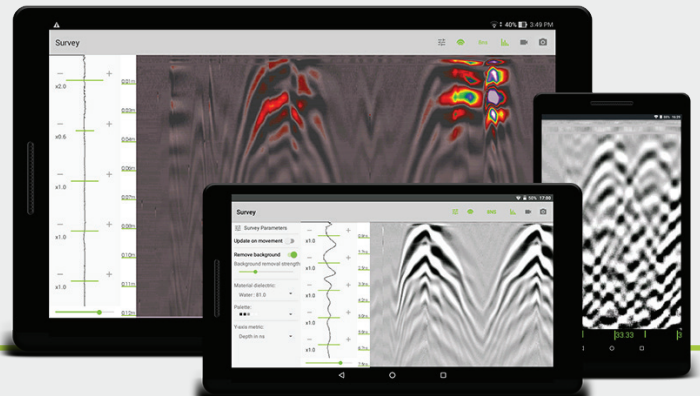
What You Get

Full System

- Scudo GPR main module
- Rough terrain protector
- Distance measuring wheel
- Battery pack 10 x 1.2 V 2400 mAh NiMH
- Battery charger
- Handle
- Assembly tools
- USB OTG
- USB data cables
- Oerad data acquisition software
- All needed documentation
- Backpack
- 2-year warranty

Accessories Pack

- Battery pack 20 x 1.2 V 2400mAh NiMH •
- Cart •
- Android tablet •
- Tablet support •





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