



# ALPHA D200

## GROUND PENETRATING RADAR

- Gas pipelines
- Water supply lines
- Cables
- Underground voids



# ALPHA D200

## Technical Specifications

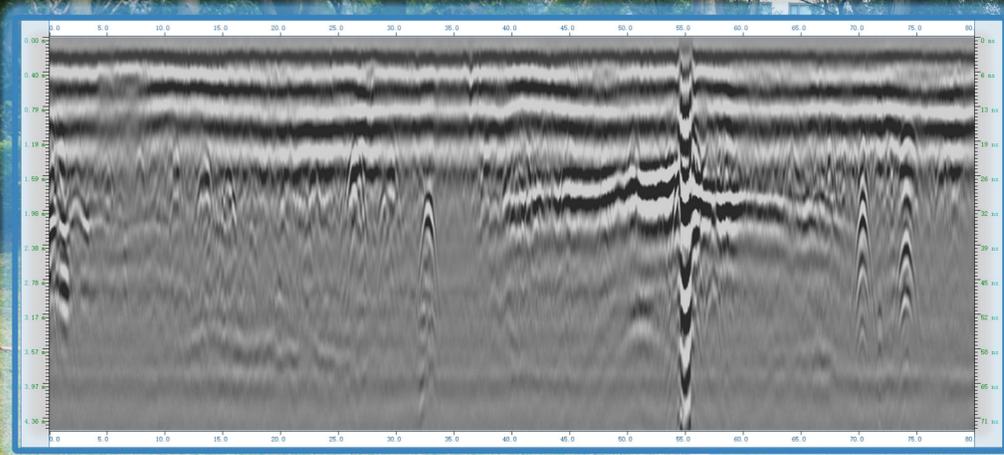
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### Key Features

- Built-in 200MHz antenna
- Compact, lightweight, low-power integrated design
- Compatible with Windows and other platforms
- Real-time acquisition software (SDI-GPR) and data processing tools
- User-friendly interface for quick adoption
- Large-capacity hard drive storage for easy data preservation

### Software Functions

- Reference subtraction, filtering, background processing, auto-gain
- Gain adjustment
- pipeline identification
- Report generation, printing, and export



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## Technical Specifications

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Simple, durable, and easy to operate, it is perfectly suited for mobile working environments in the field.



**Tablet Mount** -----

Easy to operate, Real-time data

**Hand-Pushed Stand** -----

**Host and Antenna** -----

# ALPHA D200

## Technical Specifications

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- The ALPHA D200 supports both wired (Gigabit Ethernet) and wireless (dual-band Wi-Fi) connectivity for data transfer and real-time control.
- Alpha D200 features an industry-leading integrated design of host and antenna, offering compact size, lightweight construction, and low power consumption. Its streamlined software interface ensures user-friendly operation with quick onboarding capabilities.



# Alpha D200

## Technical Performance

### Alpha D200 Ground Penetrating Radar

Adjustable sampling frequency	50K–800kHz
Selectable sampling points	256 to 32,768
Time window range	5ns–1 $\mu$ s
Resolution	<2ps
Signal-to-noise ratio	160dB
Dynamic range	168dB
Display modes	Pseudocolor, stacked waveforms, grayscale
Measurement modes	Point-by-point, distance-triggered, continuous
<b>Antenna-Host Technical Parameters</b>	
Antenna Frequency	200MHz center frequency
Detection Depth	0–8m (under ideal conditions)
Dimensions	55×51×16cm
Weight	9.3kg
Applications	Metal/non-metal pipelines, underground voids, etc.
Battery Run Time	≥15 hours
Power Consumption	<6W
Operating Temp	-30°C to +70°C
Storage Temp	-40°C to +80°C
Battery	Built-in rechargeable Li-ion, 14.8V
Max. Ground Clearance	2cm during operation (adapts to terrain)
Data Transfer	Dual wireless/wired network support
Temp. Compensation	Built-in to minimize environmental impact
Interference Shielding	Shielded antenna design reduces human/environmental noise
Cart Design	Ergonomically balanced for easy operation

Note: Specifications may vary with product upgrades. Refer to the actual product for details.

Warranty: 1-year coverage for non-human-induced damage.



+8618565149475



<http://www.alphageo-info.com>



[Sales@alphageo-info.com](mailto:Sales@alphageo-info.com), [Support@alphageo-info.com](mailto:Support@alphageo-info.com)



Building C, Runhui Science and Technology Park, Shenzhou Road,  
Huangpu District, Guangzhou 510663, Guangdong, China