



QUANTUM MINI MULTI-FREQUENCY STRUCTURE IMAGER

WHY THE QUANTUM MINI?

The dual frequency Quantum Mini by US Radar is the only concrete scanning GPR you will ever need. It features a 1000 MHz antenna for analyzing deep structures and targets under slabs. It also features a 2000 MHz antenna for high resolution analysis of fine targets. It is no longer necessary to have to choose antennas or find out afterwards that the scan should have been done with a different antenna. The Quantum Mini offers these benefits in a compact, wireless, form factor that is perfect for scanning walls, floors, ceilings, etc.

MODERN RADAR TECHNOLOGY MAKES LOCATING EASIER

Typical Applications:

With the benefits of deep lower frequency 1000 MHz antenna and a high resolution 2000 MHz antenna in a compact form factor, the Quantum Mini is suitable for **ALL** concrete scanning applications.



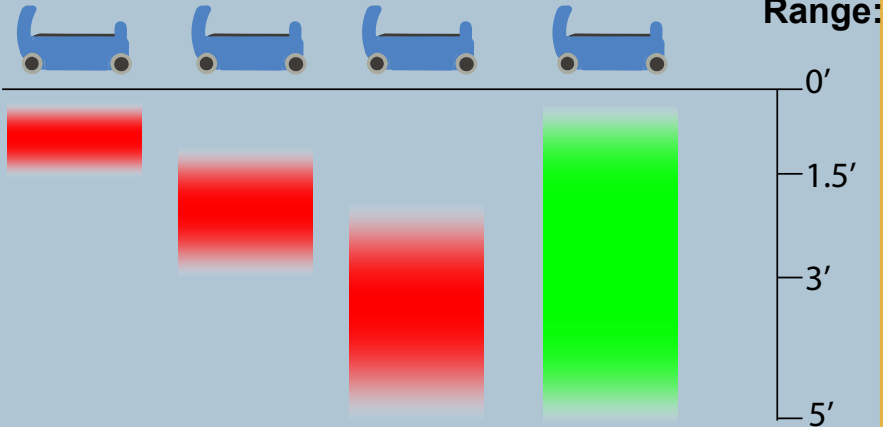
USRADAR INC.
SUBSURFACE IMAGING SYSTEMS
www.usradar.com

QUANTUM MINI

MULTI -FREQUENCY STRUCTURE IMAGER

GPR Antenna Types:

2000 MHz 1500 MHz 1000 MHz Quantum Mini

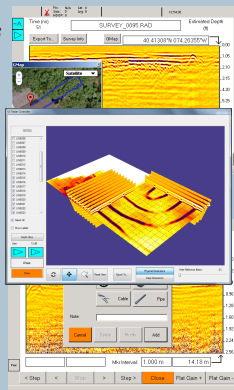


Software:

US Radar offers a variety of software in on-board and desktop configurations including:

- GPS
- 3D
- Google Earth Integration
- Report Generation
- and more!

The Quantum is also compatible with a wide variety of third party processing software packages.



Software:

Microsoft Windows

US Radar Control Software Including:

- System Configuration
- A Scan Display (Oscilloscope Mode)
- B Scan Display (Cross Sectional View)
- Optional C Scan Display (3D)
- Optional Integrated Map Display Panel with real time annotation and CAD and GIS export
- Real Time Signal Processing
- Data Storage and Playback
- Optional GPS Integration

Radar Head Electronics Specifications:

Sampling Interval: 10 ps-6.4 ns

Time Range Adjustment Interval: 10 ps

Pulse Repetition Frequency: 0.1-4 MHz-adjustable

Sample per Trace: 2-8192, Adjustable

Effective Bandwidth (typ.): >4 GHz

Stacking: Automatic

Transmitter:

Dual Frequency 1000 & 2000 MHz

Support:

- Warranty: 2 Years Parts and Labor
- Complimentary telephone and email technical support

All products made in USA by:



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Specifications:

Radar Controller Computer:

Processor: Multi-core Intel Atom

Radar Interface: Proprietary waterproof military connector

Hard Disk (Program and Storage):

Ruggedized Solid State 32GB

Display: 10.4" Daylight Readable LED Color LCD

Power Supply: 10.5-18VDC @ 25W

Operating System: Windows 7 Embedded

Control:

Windows-based full screen menu system using touchscreen interface.

System Scan Modes:

- Trigger Modes: Free run, timed interval, shaft encoder, GPS, manual
- Maximum Sampling Rate: 550,000,000 samples per second
- Gain: 45dB hardware, 90 dB Software, 60 dB Software Flat Gain

Radar System Environmental Specifications:

Temperature: -11 deg. To 50 deg. C.

Seals: IP 67