

QUANTUM IMAGER TRIPLE FREQUENCY STEPPED PULSE DIRECT RF SAMPLING RADAR

WHY THE QUANTUM IMAGER?

The triple frequency Quantum Imager by US Radar is capable of significantly greater depths with higher resolution than any other locating technology. Stepped Ultra Wideband Pulses combine the advantages of pulse radar and stepped frequency radar to offer unsurpassed resolution & depth. New Direct RF sampling technology creates clearer, easier to understand images than previously possible with older radar technologies. All these technologies work transparently behind the scenes to make locating easier.

Patents Pending

MODERN RADAR TECNOLOGY MAKES LOCATING EASIER

Typical Applications:

With greater depth and resolution than any other locating technology, the Quantum Imager can be used for anything from bridge deck analysis to utilities up to 30+' deep and everything in between.



SUBSURFACE IMAGING SYSTEMS

www.usradar.com

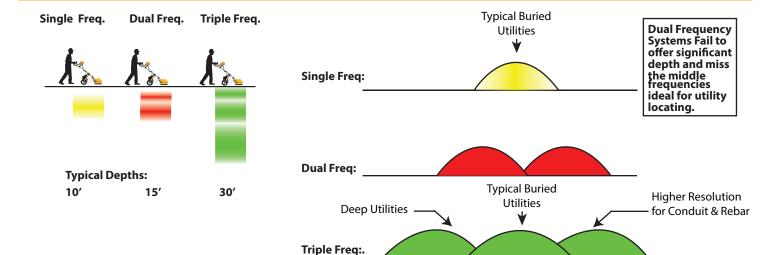


Designed to be used by **YOU**

QUANTUM IMAGER

S.P.I.R.

1000 MHz

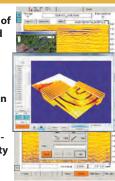


Software:

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.



Specifications:

Radar Controller Computer:

Panasonic Toughpad, other models also available HARDWARE AND SOFTWARE

Windows 8 Pro 64-bit (with Windows 7 downgrade option)

Third-generation Intel® Core™ i5vPro™ Processor DURABILITY

MIL-STD-810G, 4-foot drop and all-weather IP65 dust and water resistant design

DISPLAY

10.1-inch, HD daylight-readable, ten-point multi touch + digitizer The thinnest and lightest fullyrugged, 10.1-inch, Windows 8 tablet.

INTERFACE AND EXPANSION

USB 3.0 + HDMI ports; optional dedicated GPS; Serial, Ethernet, MicroSD or second USB port WIRELESS

0 MHz

Wi-Fi, Bluetooth® and optional 4G LTE or 3G Gobi™

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)
- Real Time Signal Processing
- Data Storage and Playback
- Optional GPS Integration

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 66

Radar Head Electronics Specifications:

Total System Dynamic Range: >130 dB Receiver Dynamic Range: >90 dB

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.): >3 GHz

Stacking: Automatic

Transmitter:

Stepped Ultra Wideband Triple Frequency

Support:

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

All hardware except Panasonic Toughpad/Book products made in USA by:

