

Q5C PLUS

GROUND PENETRATING RADAR SYSTEM



Simply put, the Q5C Plus is a buried utility location workhorse. It is easy to use yet it can be expanded and configured for other applications and needs down the road.

With its unique range of integrated technologies, it is the most powerful GPR on the market today for locating utilities up to 15' (5m) deep at high resolution.



FEATURES

ANTENNA

- Sloped antenna design easily glides over obstacles
- Optional GPS integration- can easily incorporate high-end GIS and RTK GPS units
- Military-grade connectors ensure secure connections between controller and antenna

DURABLE, GLARE-RESISTANT TABLET INTERFACE

- Daylight readable, weatherproof Getac tablet interface
- High performance CPU enables real-time data processing
- Built-in 3D view capability
- WiFi supported
- USB, Ethernet, HDMI and Audio ports

BATTERY PACKS

- Battery lasts a total runtime of 8 hours each
- Battery packs have lifespan of several years

GPS INTEGRATION (Optional)

- Optional GPS Pole mount
- Enables GPS to be centered over antenna
- Integrates with most high-end GIS and RTK units
- Optional integration with Google Earth

AIRLESS TIRES

- Airless, solid tires that cannot go flat
- Require no maintenance

EASY STORAGE

- Folding cart handle and controller tablet mount for easy storage

SPECIFICATIONS

GETAC F110 RADAR CONTROLLER

- Operating System: Windows 7 or 10 64-bit
- Third-generation Intel® Core™ i5vPro™ Processor
- Durability: MIL-STD-810G, 4-foot drop and all-weather IP65 dust and water resistant design
- Display: 11.6 inch, HD daylight-readable, ten-point multi touch + digitizer
- I/O Interface: Ethernet Port, DC Power Port, 1 USB 3.0 Port, HDMI Port, WiFi and Bluetooth
- Expansion Options: MicroSD or second USB 2.0 port, RJ45 Ethernet, Dedicated GPS
- Communications: 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)
 - C Scan Display (3D) (Optional)
 - Real Time Signal Processing
 - Data Storage and Playback

SYSTEM SCAN MODES

- Maximum typical logging scan rate of 390 traces per second
- Trigger Modes: Free run, timed interval, shaft encoder, GPS, manual
- Nominal Sampling Rate: 650,000,000 samples per second
- Maximum Resolution: 100 Giga-samples per second
- Hardware Time Varying Gain: 45dB
- Software Time Varying Gain: 60dB
- Software Flat Gain: 60dB

ENVIRONMENTAL

- Temperature: -11 deg. to 50 deg. C
- Moisture and dust resistance: IP 65

RADAR HARDWARE

- 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
- Samples per Trace: 2-8192, Adjustable
- Effective Bandwidth (typ.): >4 GHz
- Stacking: Automatic
- Transmitter: Stepped Ultra Wideband Triple Frequency

SUPPORT

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