



Utility Locating and Mapping Systems

UtilityScan® Series

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UtilityScan® DF

UtilityScan® DF is GSSI's premium GPR unit for utility locating. It incorporates our innovative digital dual-frequency antenna (300 and 800 MHz) and an easy-to-use touchscreen interface to view shallow and deep targets simultaneously in a single scan. With a battery operation life of up to eight hours and a survey speed up to 6.25 mph (10 km/h), data collection is fast and efficient.

Typical Uses for UtilityScan DF Include:

- Utility detection – metallic and non-metallic
- Environmental assessment
- Damage prevention
- Geological investigation
- Archaeology
- Forensics



Compact Survey Cart



Lightweight Survey Cart

Antenna	Dual frequency 300 and 800 MHz	
Control Unit	Customized Panasonic Toughpad® FZ-G1 control unit	
Cart	Compact Survey Cart	Lightweight Survey Cart
	<ul style="list-style-type: none"> • 4-wheel compact survey cart • Internal, integrated survey wheel encoder • Removable, 12-inch wheels • Compact, weather resistant design • Antenna centerline to front of cart: 15 in (38.2 cm) • Dimensions: 24.3 x 39.4 x 40.3 in (61.7 x 100 x 102.4 cm) • Model 655 • Total System Weight: 66 lbs (29 kg) 	<ul style="list-style-type: none"> • 2-wheel standard survey cart • Internal, integrated survey wheel encoder • Removable, 24-inch wheels • Lightweight and foldable design • Antenna centerline to front of cart: 11 in (28 cm) • Dimensions: 53.6 x 51.8 x 24.9 in (136.1 x 131.6 x 63.2 cm) • Model 625 • Total System Weight: 51 lbs (23.1 kg)
Depth of Penetration	0-16 ft / 0-5 m	



"I've had a GSSI GPR system for several years now, I've always been impressed with the quality and ruggedness of the system."

Greg Shipley, WG Shipley ARLR



Rugged Survey Cart



Compact Survey Cart



Standard Survey Cart



UtilityScan®

UtilityScan® is the industry standard ground penetrating radar solution for the designation of subsurface utilities. With UtilityScan, users can quickly identify and mark the location and depth of utilities.

The UtilityScan is configurable and provides the flexibility to address a wide range of utility applications. With the appropriate antenna and cart components, the UtilityScan can be converted for use as a non-destructive testing method of concrete inspection and concrete bridge deck assessment.

Typical Uses for UtilityScan Include:

- Utility detection – metallic and non-metallic
- Environmental assessment
- Damage prevention
- Geological investigation
- Turf assessment
- Archaeology
- Forensics

Antenna	400 or 270 MHz		
Control Unit	SIR® 3000		
Cart	Rugged Survey Cart <ul style="list-style-type: none"> • Weather resistant design • Multiple antenna options (2600 MHz to 270 MHz) • Removable, 16-in wheels • Marking paint can holders • Dimensions: 30.1 x 47.9 x 41.8 in (76.4 x 121.6 x 106.1 cm) • Antenna centerline to front of cart: 19 in (48.3 cm) • Weight: 58 lbs (26.3 kg) • Model 643 	Compact Survey Cart <ul style="list-style-type: none"> • Compact, weather resistant design • Multiple antenna options (2600 MHz to 400 MHz) • Removable, 12-in wheels • Dimensions: 24.3 x 39.4 x 40.3 in (61.7 x 100 x 102.4 cm) • Antenna centerline to front of cart: 15 in (38.2 cm) • Weight: 48 lbs (21.7 kg) • Model 653 	Standard Survey Cart <ul style="list-style-type: none"> • Lightweight and foldable design • Multiple antenna options (2600 MHz to 400 MHz) • 20-in front and 24-in back wheels • Dimensions: 24.9 x 53.3 x 45.8 in (63.2 x 135.2 x 116.3 cm) • Antenna centerline to front of cart: 31.6 in (80.2 cm) • Weight: 39 lbs (17.7 kg) • Model 623
Depth of Penetration	400 MHz: 0-12 ft / 0-4 m 270 MHz: 0-18 ft / 0-6 m		

UtilityScan® LT

UtilityScan® LT is a lower-cost ground penetrating radar solution based on the industry standard UtilityScan. The UtilityScan LT is purpose-built and easy to use, and allows users to quickly identify the location and depth of underground utilities in real-time. The UtilityScan LT retains the exceptional data quality and rugged construction of the UtilityScan family, and is the perfect entry-level utility locating system.

Antenna	400 MHz
Control Unit	Radar control unit
Cart	Standard survey cart with encoder wheel (Model 623)
Depth of Penetration	0-12 ft / 0-4 m