COMPASS NX™

Powerful GPR technology for every utility professional.

GETTING IT RIGHT MATTERS

Every jobsite is complex, and critical underground infrastructure could be anywhere. Overlooking even one buried utility can derail a project, create costly delays, and put years of hard-earned reputation at risk.

INTRODUCING

COMPASS NX™

The utility locating system that helps you get it right with advanced GPR performance, the freedom of bring-your-own-device flexibility, and no subscription fee.

STOP COMPROMISING.

Most utility locating systems force a compromise: Performance for simplicity, flexibility for reliability, or capability for affordability.

Compass NX eliminates the trade-offs by delivering outstanding visibility for every target with easy-to-use software and powerful features that anyone can master. Use any modern mobile device, in any environment, and accommodate any workflow. Compass NX and the NX Control app make it all possible.

Powered by **NEXUS®,** GSSI's innovation platform, Compass NX evolves with feature updates and improvements to grow with your needs and industry demands.

CONFIDENCE IN MINUTES.

Compass NX was built around a simple idea. Advanced GPR technology should be accessible to everyone.

Easy to mobilize and simple to use without compromising on exceptional performance and data quality, Compass NX reduces complexity, flattens the learning curve, and boosts users' confidence and efficiency in the field.

Modern NX Control app with intuitive touch-based controls and navigation

No dedicated controller required; use your own iOS or Android device

Deploy and start locating in minutes with QuickScan mode

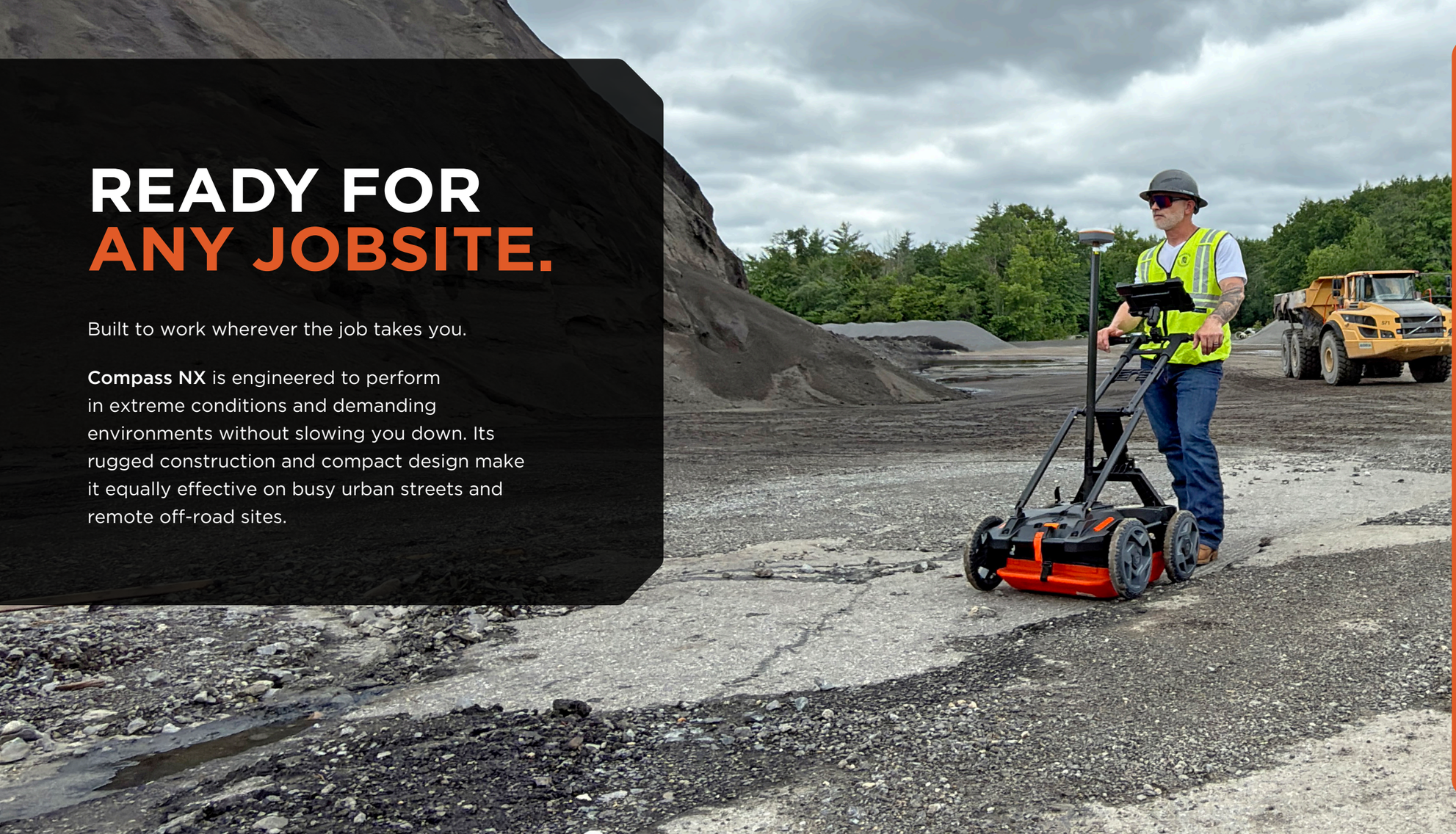
Intuitive interface helps new operators perform effectively from day one

Advanced controls available when greater customization is needed

READY FOR ANY JOBSITE.

Built to work wherever the job takes you.

Compass NX is engineered to perform in extreme conditions and demanding environments without slowing you down. Its rugged construction and compact design make it equally effective on busy urban streets and remote off-road sites.



IP65-rated antenna and cart

Compact, easy to maneuver design

Easy to deploy: unfold the handle, power on, and go

Adjustable antenna clearance for off-road applications

10 hours of operation with quick change Li-ion batteries

Integrated foot brake

SEE WHAT OTHERS MISS.

From shallow utilities to deeply buried infrastructure, Compass NX delivers the clarity and confidence to make accurate real-time decisions.

With a dual-frequency antenna built on the latest technology and the next generation of GSSI's HyperStacking®, Compass NX reveals what others miss. Simple adjustments in the **NX Control App** let you tune your depth requirements and focus only on the data that matters.

New NX04/10 dual-channel antenna with Dynamic HyperStacking® technology

Exceptional clarity for near-surface and deep targets, setting a new standard in utility locating

Improved visibility of PVC, HDPE, and other non-metallic utilities

Intuitive filters allow on-the-fly scan tuning to focus on what you want to see

Split view of data and Map Mode to see real-time location

YOUR DEVICE.
NO SUBSCRIPTIONS.

No dedicated controller to purchase. No subscription fees to maintain. Just a powerful GPR controller app on the devices you already own.

Modern and intuitive, the **NX Control™ app** is included with **Compass NX** and can be downloaded onto multiple devices with no additional fees, giving you flexibility with no added expense.

FIND THE NX CONTROL APP ON
GOOGLE PLAY & APPLE APP STORES

NX CONTROL HAS THE MODE FOR YOU.

QUICKSCAN

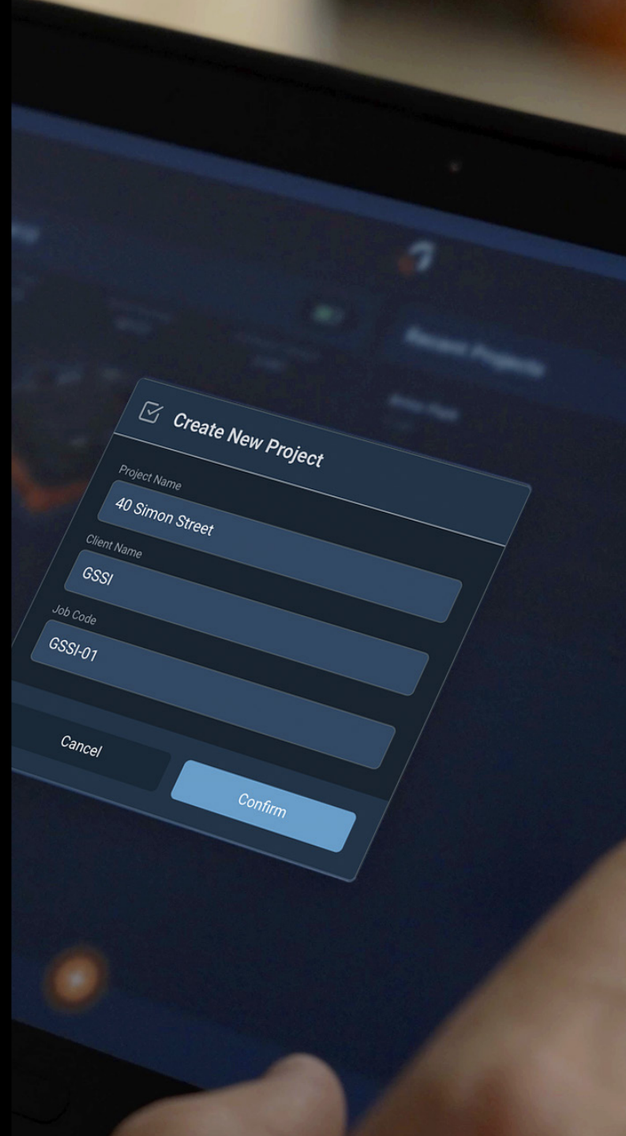
QuickScan is designed for users who need to start scanning immediately and make decisions in the field.

- Ideal for mark-and-go locating and quick site checks

PROJECT MODE

Use Project Mode to save, organize, review, and share Scan Data as part of a documented workflow.

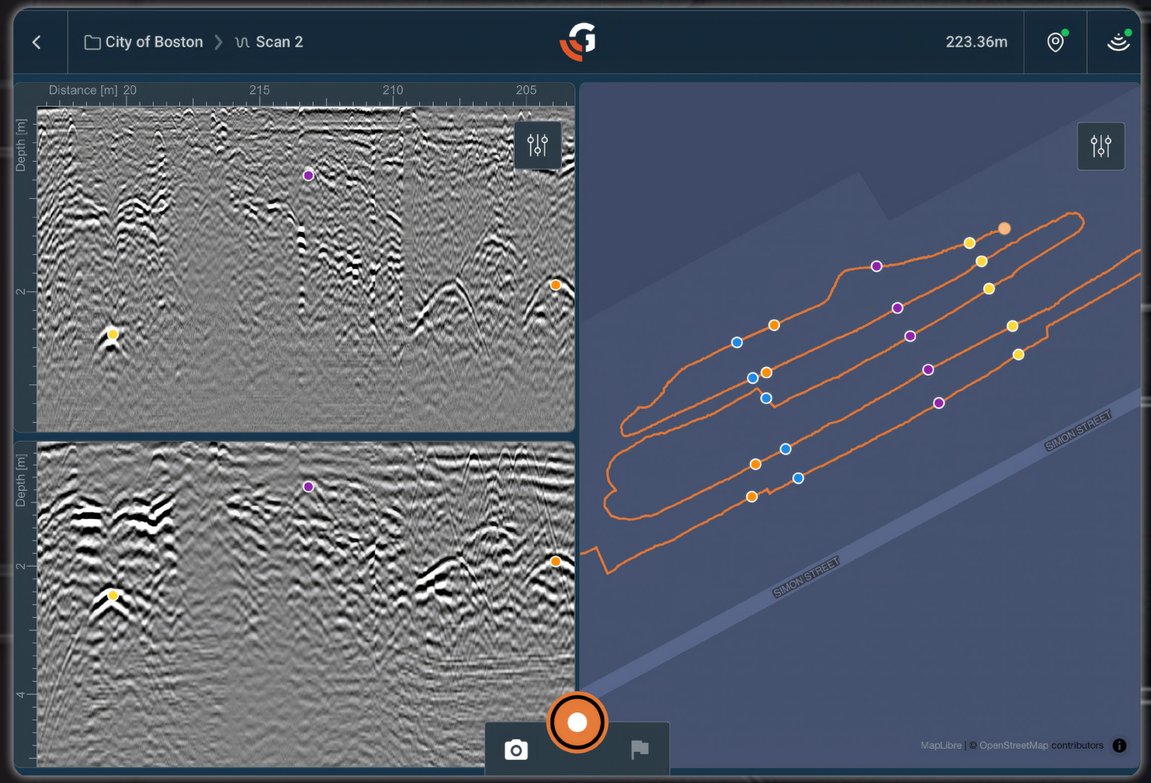
- Ideal for projects requiring quality control, reporting, or archiving
- Supports playback and post-processing export



FROM DATA TO DECISION

Great deliverables start with great scan data.

Compass NX delivers unparalleled scan clarity and target visibility and includes optimization features to boost confidence and enhance in-field interpretation. Don't guess what's below the surface. Know what's below and present accurate and timely results to your customers with **Compass NX**.



A PATH TO CLEAR DATA: A screen capture of data from the NX Control app, collected by Compass NX, shows common buried utilities such as water, sewer, and electrical. Seeing both high- and low-frequency data provides clarity on targets to improve interpretation. The map view shows target marks with GPS positions that reveal clear patterns that are easy to communicate to end users.

GOING BEYOND THE SCAN

Compass NX helps teams do more than locate utilities. It streamlines your entire workflow from field collection to final deliverables.

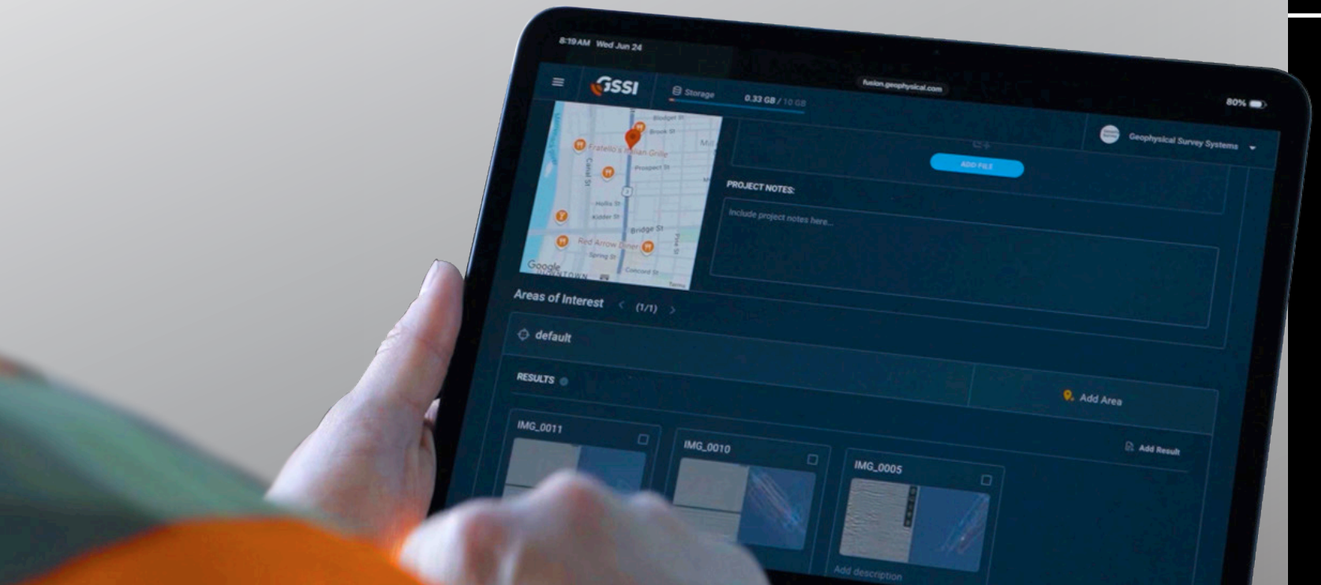
Integrated mapping and GPS connectivity, documentation, and export tools allow operators to capture, manage, and share utility data without interrupting field productivity or introducing costly office rework.

- Target marking and line drawing tools
- In-field photo capture and documentation
- Offline maps for areas without cellular coverage
- Seamless GSSI Fusion reporting and Geolitix integration
- No internet requirement for field operation
- Locally controlled data storage and sharing
- No subscription fees

MASTER YOUR WORKFLOW.

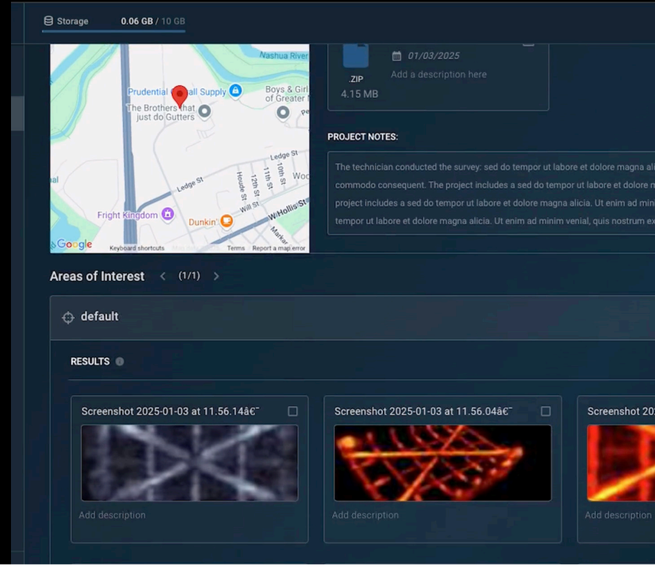
From rapid on-site reporting to complex subsurface modeling, our software options guarantee that everyone has the right tool for the job. This allows you to choose the platform—or platforms—that align with your business needs, technical requirements, and project deliverables.

Whether you prioritize speed in the field and same-day reporting or the power and performance of cloud-based processing, we have a solution to streamline your workflow and maximize your results.



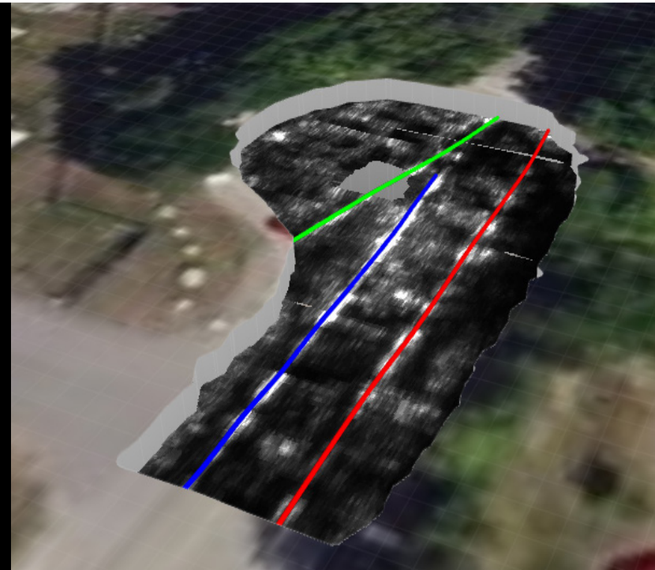
GSSI FUSION®

GSSI Fusion is a cloud-based platform that helps GPR pros quickly create polished reports by streamlining data import, editing, sharing, and secure field collaboration with scalable subscriptions.



Geolitix

Geolitix is a cloud-based platform that quickly turns complex GPR data into actionable insights. It streamlines workflows, automates tasks, and offers visualization tools for easy analysis and sharing, with secure remote access.



ALWAYS MOVING FORWARD.

Compass NX is the first utility system powered by NEXUS, GSSI's innovation platform.

NEXUS delivers ongoing enhancements to your Compass NX that continuously improve your experience and adapt to changing workflows and project demands - **at no additional charge**.

Designed to evolve with you, Compass NX is a smart, future-ready investment that delivers long-term value for your business.

WE ALWAYS HAVE YOUR BACK.

2-year product warranty

Two years of **complimentary training with GSSI Academy** for you and your team

Dedicated **support and service teams** to keep you on the job and minimize downtime

ADVANCED PRODUCT SPECIFICATIONS

Cart	
Cart Model	Model 661 with floating sled
Sled Clearance	0-5.7 cm (0-2.25 in)
Encoder Technology	Solid-state magnetic; located in rear right wheel
Cart Brake	Foot- or hand-activated
Handle Design	Collapsible; lockable while folded and in-use
GPS Mount	5/8" thread; GPS Pole accessory purchased separately
Controller Mount	Removable RAM standard mount (part#: RAM-HOL-TAB20U) for 9-10.5 in. tablets with rugged cases. See RAM website for details.
Dimensions	Collapsed and no tablet mount: L74 x W57.5 x H39 cm (29.1 x 22.6 x 15.4 in)
Weight	17.6 kg (38.8 lbs) with sled and RAM Mount

Antenna	
Antenna Model	NX04/10
Number of Channels	2 channels - 400 MHz low frequency / 1 GHz high frequency
Available Ports	Survey wheel (4-pin), GPS (9-pin serial), 2 accessory ports, 1 USB
Connectivity	Wireless via local Wi-Fi access point
Data Acquisition	NX Control app available via Apple App and Google Play stores
Data Storage	Local storage on connected mobile device via NX Control App only
Time Range (ns)	200 (LF) / 100 (HF)
Scan Interval	50 scans/meter (15.24 scans/ft)
Samples per Scan	1024 samples
Max Depth	22ft (6.7m) HF, and 44ft (13.4m) LF in ideal soil conditions
Operating Modes	Survey wheel (distance triggered)
GPS	Serial port on antenna; Bluetooth to mobile device; Mobile device internal GPS
Environmental Rating	IP65 (fully sealed against dust and low-pressure omnidirectional water)
Operating Temperature	-20°C to 55°C external (-4°F to 131°F)
Battery	Inspired Energy ND4054HD50; 5+ hours (per battery) in ideal operating conditions
CE Mark Regulatory Compliance	Yes
Dimensions	With handles: L48.5 x W44.7 x H22.5 cm (19.1 x 17.6 x 8.9 in) Without handles: L48.5 x W41.5 x H19 cm (19.1 x 16.3 x 7.5 in)
Weight	With battery: 6.9 kg (15.2 lbs) Without battery: 6.5 kg (14.4 lbs)

Software	
App & Device Requirements	NX Control app compatible with modern iOS or Android mobile devices. NX Control App available via Apple App and Google Play stores.
Controller Options	No controller included unless supplied by distributor.
Display Modes	Linescan (Ch1; Ch2; split view) plus O-Scope, Map view
Storage Capacity	Connected device dependent
Post-Processing Support	Geolitix only
Output Data Format	.nx, .fsn, .kml
Standard Real-Time Filters	Toggleable Background Removal with intensity slider
Advanced Real-Time Filters	Coarse and Fine Detail frequency filters with Boost
Languages	English, Spanish, Japanese, Korean, Chinese, French, Italian, German
Subscription Required	No

Warranty	2-Year Limited Warranty

COMPASS NX™

SEE WHAT YOU'RE MISSING.

GSSI

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