The Trimble® GeoExplorer® 6000 series takes GNSS productivity to a whole new level. Combining submeter accuracy GNSS, high quality photo capture, wireless Internet, and connectivity options in a single product, the GeoXT™ handheld is the ideal field device for organizations mapping critical assets and infrastructure, or for anyone needing dependable submeter accuracy GNSS data, simple operation, and repeatable results.

Together with the latest field software enhancements and GNSS innovations—including Trimble Floodlight™ satellite shadow reduction technology—the GeoXT handheld is the ideal submeter field solution for any industry, including utility companies, local government organizations, and federal agencies.

**Reliable submeter performance**

Integrating the latest in Trimble GNSS receiver technology, with the optional ability to track both GPS and GLONASS satellites, the GeoXT handheld delivers consistent submeter accuracy in real time and 50 cm accuracy after postprocessing.

For submeter accuracy, the GeoXT handheld’s integrated SBAS receiver can be used to obtain real time corrections such as WAAS, EGNOS, or MSAS, or the GeoXT handheld’s built-in Bluetooth® wireless technology can be used to seamlessly connect to a Trimble GeoBeacon™ receiver.

For 50 cm accuracy, data collected with Trimble field software can be postprocessed using the Trimble GPS Pathfinder® Office software or GPS Analyst™ extension for Esri ArcGIS Desktop software. These office processing suites use Trimble DeltaPhase® technology to achieve 50 cm accuracy for GNSS code measurements after postprocessing, and even higher levels of postprocessed accuracy are possible if GNSS carrier data is logged for extended periods.

**Floodlight satellite shadow reduction**

Trees and buildings create shadows, limiting the environments where reliable high-accuracy GNSS data collection can be performed. Using the innovative Trimble Floodlight satellite shadow reduction technology, the GeoXT handheld continues to deliver productive, usable positioning data in areas where legacy GNSS receiver systems cannot.

With the optional Floodlight technology option installed, the GeoXT receiver can compute positions even with very weak satellite signals. Floodlight technology increases the number of positions that are gathered in difficult locations, and boosts accuracy in those places where normally only low accuracy data is available. With the GeoXT handheld, field crew can now work with fewer disruptions, meaning better data, faster, at less cost.

**Never-seen-before display performance**

The GeoXT handheld includes a sunlight-optimized, display designed specifically for outdoor operation. It maintains exceptional clarity in all outdoor conditions, including direct sunlight. Text is crisp and easy to read. Background maps and photos are rich and vibrant. At 4.2” (10.7 cm), the display is also big, so the touch panel is spacious and easy to control.

**Work online, anywhere**

Internet access in the field gives workers live access to the information they need to make better decisions, faster. Once connected, field workers can collaborate with their office and with each other, even from remote locations.

The GeoXT handheld offers a choice of wireless technology to enable Internet connections directly on the device—including an optional 3.5G cellular modem built into the handheld itself, integrated Wi-Fi, or Bluetooth wireless technology.

Whether connecting to corporate networks, or accessing web-based services such as real-time map data or VRS® corrections, accessing and updating live information in the field is simple and fast.

Bluetooth technology also enables wireless connection to other external devices such as Bluetooth-enabled laser range finders, barcode scanners or RFID readers.

**High quality photo capture**

A photograph is often the best way to capture information about an asset, event, or site. The GeoXT handheld includes a 5 megapixel autofocus camera with geo-tagging capability. The camera can be controlled by the TerraSync™ software and other third party applications, so photo capture and linking of images to GIS features is seamless and simple to integrate with existing data capture workflows.

**Designed for work**

The GeoExplorer 6000 series was designed with a single goal in mind—delivering a high-accuracy handheld GNSS system that works faster, longer, and in more places than any other.

The Lithium-Ion battery provides up to 8 hours of GNSS operation on a single charge, and can be swapped on-the-go without shutting down the device—enabling near-continuous operation and minimizing field worker downtime.

The GeoXT handheld is powered by a super-fast OMAP 3503 series processor and 256 MB RAM. With 2 GB of internal storage and the capacity to add an additional 32 GB via SDHC card, the GeoXT handheld has the capacity and power you need to work with high resolution maps and complex datasets.

The fully ruggedized IP65 construction is designed to withstand the harshest environments. Wherever field workers go, they can take the GeoXT handheld with the confidence that the equipment can handle the toughest conditions.

These smart design features combine with unprecedented accuracy and productivity to deliver the ultimate high performance handheld field solution.

The GeoXT handheld. Designed for work.
geoexplorer 6000 series geoXT handheld

Battery
Type: Rechargeable, removable Li-Ion
Capacity: 11.1V 2.5 AH
Charge time: 4 hours (typical)

Battery Run time
GNSS only: 11.5 hours
GNSS & VRS over BT: 11 hours
GNSS & VRS over Wi-Fi: 10 hours
GNSS & VRS over Cellular modem: 8.5 hours
Standby time: 50 days

Buttons & Controls
- Power key
- Left & right application
- Camera key

CONNeCTORS & Inputs
- Internal microphone and Mini USB connector via optional SIM socket
- SDHC socket

Cellular
Still mode: Autofocus 5 MP
Still image format: .JPEG
Video mode: Up to VGA resolution
Video file format: WMV with audio

GUARDIAN PROTECTION

Maximum storage altitude: 5,000 m (16,400 ft)
Maximum operating altitude: 45,000 ft (13,700 m)
Relative humidity: 5-95%

Vibration: Method 514.5
Mechanical Shock: Method 516.6

External storage: SD/SDHC up to 32 GB
RAM: 256 MB
Luminance: 280 cd/m²
Resolution: 4.2" (diagonal)

LNGuageS
- English (US), Spanish, French, Portuguese (Brazilian), Chinese (Simplified), Korean, Japanese, Russian

INGRESS P RoTeCtION
Water Dust: IP65

Specifications subject to change without notice.

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