DATASHEET

Trimble SX12

Scanning Total Station

The all-in-one survey total station and scanner

The **Trimble® SX12 Scanning Total Station** combines a total station and scanner into one superior instrument. Get everything you need from a robotic total station, along with high-end 3D laser scanning and imagery.

Work smarter

Don't miss a thing with the Trimble SX12. Collect more data, more effectively and avoid rework and costly site revisits with additional site information from scan data, images and point clouds.

Collect with cameras

With the video enabled workflow, it is much easier and faster to find yourself if you lose tracking, and to zoom in and aim at different points for DR shots. The four built-in, high quality cameras with huge zoom allow you to capture a range of imagery.

- Capture reality with point clouds for accurate as-builts in inaccessible locations
- Geo-reference images of the site to record conditions in real-time
- Live site footage for real-time monitoring and quick decision making
- Eliminate the need for a separate camera on site
- Image scans of the same area on different dates allow users to visualize jobsite progress

Capture once, use many times

Capture more detail and document features you couldn't before—never worry about field crews missing things ever again.

Point cloud and images can be used anytime to extract data that might have not been considered at the time of collection, saving time and avoiding unnecessary site visits.

Vivid, eye-safe laser pointer

The green laser pointer is exceptionally small, bright, and still eye safe—with auto focus functionality.

Add a Trimble Protected protection plan for worry-free ownership over and above the standard Trimble product warranty. Added enhancements include coverage for wear & tear, environmental damage, and more. Accidental damage is covered with Premium plans, available only at point-of-sale in selected regions.

For details, visit trimbleprotected.com or contact a local Trimble distributor.

Trimble®

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Capture everything. Faster.

Save time, maximize efficiency and get more done in the field by capturing the entire site through point clouds and images, rather than just individual points of interest. With the SX12 you can get everything you need from a site and more in just minutes, saving you hours or days of surveying. With the additional site information from scan data, images and point clouds, you can avoid rework and costly site revisits.

You can do more, much faster! Quickly complete progressive volume calculations, progress measurements, surface-to-surface comparisons and manage material lifts, while ensuring tolerances are being met.

A robotic total station, and more

Achieve high accuracy and reliability for construction site positioning, stakeout and measurement without the need for a separate device onsite. This powerful combination of high accuracy surveying and 26,600 points-per-second 3D scanning is a game changer.

Reach the inaccessible

Rapidly collect millions of points and dozens of photos to effectively capture reality for accurate as-builts in inaccessible locations. A great option for safer surveying and avoiding the hassle and time involved in gathering data from dangerous or difficult to reach locations.

Applications

With the SX12 you can:

- Collect millions of points for a 360 degree point cloud
- Control land topographic collection/measurements during site surveying
- Document every visible feature on a project, reducing costly site visits
- Check grade for inspection and monitoring
- Safely and efficiently scan road corridors and intersection details such as roadway surfaces, overhead power lines and lane markings
- Safely gather accurate survey data in trenches, on cliffs, near moving equipment, and in other hazardous areas without putting a surveyor in danger
- Capture rich, accurate and complete geometrical and visual documentation of as-builts

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