DATASHEET

Trimble SiteVision

Augmented reality system

Visualize data in the field

Trimble® SiteVision® Software brings spatial data to life in real-world environments so you can easily visualize, explore and understand complex designs — right on your own mobile device. With centimeter-level accuracy, this user-friendly tool provides reliable visuals that are stable and smooth. SiteVision plays a key role in all stages of the construction life cycle: planning and initial visualization, checking progress, and preventing issues to reduce cost and increase efficiency.

Simpler scanning

Gain the power of scanning in a simpler, faster and more cost-effective mobile solution. Capture 3D data on LiDAR-equipped devices* in a fraction of the time it takes to set up and move expensive laser scanners. Work faster by scanning on the move with the precision of GNSS, and obtain accurately georeferenced points that are exported directly to Trimble Connect®.

Make decisions in the field

With simple tools for measurement, volume calculations and 3D scanning, you can empower your team to perform estimates and make decisions in the field — without a comprehensive survey. Don't waste time waiting for surveyors when anyone on the team can use SiteVision for accurate and timely information.

Utilize your existing equipment

Reduce costs by making use of equipment you already own. Transform your phone or tablet into a multi-purpose tool with the addition of the low cost, high performing Trimble DA2 GNSS Smart Antenna. Work more efficiently in the field with the DA2 providing a seamless experience that is less demanding on your device.

Power the receiver via USB directly from your device or use your existing batteries to eliminate downtime and maximize insights in the field.

For a lighter and more convenient option, use your phone with the feature-rich Trimble HPS2 handle. Its magnetic mount and built-in battery simplify usage, while integrated Electronic Distance Measurement (EDM) enables accurate measurements on the spot.

Show/hide layers and use the transparency slider to manage which details you want to view

Automatically see your site in its real-world location using GNSS or QR code positioning in areas without GNSS coverage

Easily switch between 3D view and 2D plan view

View data in context at any angle, at true-life scale

Trimble HPS2 handle designed for easy and convenient interaction with AR information in the field (optional)

3D scanning is only available with certain LiDAR-equipped devices.

Trimble®

civilconstruction.trimble.com/sitevision

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Communicate and collaborate

Share, communicate and collectively interact with easy-to-understand visualizations to efficiently collaborate with people of all skill levels.

- Eliminate delays and avoid rework by taking photos, measurements and notes in the field that can be shared and stored in the cloud instantaneously
- Create and assign tasks and use feature codes to quickly correct issues and keep data consistent

Applications

Planning

- See hidden and future infrastructure in the proposed location at true-to-life scale and avoid issues by identifying the location of underground utilities
- Capture photo-realistic scans to create models of preconstruction conditions
- Confirm designs, improve plans and create or adjust machine guidance designs on site

Collect data on site

- Calculate quick measurements on site, measure grade and estimate stockpile volumes to make adjustments and propose change orders
- Get accurate locations on linear projects such as roading and highways with station and offset tracking
- Collect georeferenced scan data of new site features or changing areas to adjust your plan to current conditions

Monitoring and inspection

- Visualize and compare onsite progress to design, efficiently inspect completed work, complete quality management and identify issues using built-in issue tracking and reporting to reduce costs and time
- Perform agile 3D scans or supplement laser scanner and drone data to create as-builts as you work

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