



Trimble SiteVision

OUTDOOR AUGMENTED REALITY SYSTEM



KEY FEATURES

- ▶ Accurately places and displays 2D/3D data in real world context from any angle at true-to-life scale
- ▶ Precisely locates and reveals hidden assets
- ▶ Combines Trimble® Catalyst™ GNSS centimeter-level positioning and electronic distance measurement (EDM) with Google® AR technology
- ▶ Automatically transforms complex 2D designs into visual 3D models
- ▶ Switches between 2D and 3D views
- ▶ Provides Trimble cloud-based data hosting and reporting tools
- ▶ Enables collaboration and communication of designs on the job site
- ▶ Compatible with a wide range of Trimble, open industry standard, and third-party file formats
- ▶ Lightweight, portable handheld or pole-mounted unit

Learn more:
geospatial.trimble.com/sitevision

* Smartphone not included.

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HARDWARE	
	TRIMBLE SITEVISION INTEGRATED POSITIONING SYSTEM ^{1,2}
GNSS position accuracy	In RTK coverage ³ : Hz: 1 cm + 1 ppm RMS Vt: 2 cm + 1 ppm RMS In Trimble RTX technology coverage: Typically 10 – 20 cm In North America and Western Europe ⁴ Typically < 50 cm In the rest of the world ⁴
Typical time to first precision accuracy position	2 minutes
GNSS constellations	GPS, GLONASS, Galileo, QZSS, SBAS, L-Band Satellite Corrections
Supported correction formats	RTCM 3.0, RTCM 3.1, RTCM 3.2, CMRx
EDM/AR position accuracy	Typical Hz: < 20 cm RMS at 10 m Vt: < 10 cm RMS at 10 m (varies by phone model)
EDM distance measurement accuracy	Typically ±3 mm at -10 °C to +50 °C
EDM distance measurement range	Typically 0.3 m–25 m to fresh asphalt Up to 100 m to white walls
EDM measuring time	0.1–4 seconds depending on surface, range & brightness
Power management	Swappable batteries – 2.5–3 hours per battery (varies by phone model)
Dimensions	Diameter: 135 mm Height: 285 mm
Weight	560 g with battery
Operating temperature	-20 °C to +40 °C (-4 °F to +104 °F)
Operating temperature range with AR (phone)	Typically -10 °C to +35 °C (14 °F to +95 °F), varies by phone model
Storage temperature range	-20 °C to +70 °C (-4 °F to +158 °F)
Humidity	95% non condensing
Ingress protection	IP65
Drop	Drop 1.2 m (4')
User interface	LED for power on, Bluetooth connection status, low battery warning

SOFTWARE	
Model placement	Automatic with Georeferenced data Measured (cm) Manual
Supported formats	Trimble: SKP, VCL, TTM Open industry standards: IFC, LandXML 3rd party: DWG, SHP, GDB, PNG
Connectivity (model data)	Cellular or Wi-Fi, via user supplied mobile phone
Connectivity (correction data)	Cellular or Wi-Fi via user supplied mobile phone L-band satellite for remote operations
Data interpretation	User defined rules & 3D symbols
Measurement and recording functions	Georeferenced photo, ToDo's, Tasks, Points, Grade, Distance, Cut/Fill
Measurement methods	GNSS, EDM remote measurement, AR model measurement
Measurement modes	Model point to model point Ground point to model point Ground point to ground point
Validated Phone Models	Samsung S10+, Samsung S9+, Samsung Note 9, Samsung Note 8, running Android™ 9
Minimum Phone Requirements	Phone supported by Google Play Services for AR, running Android 9

SUBSCRIPTION INCLUDES	
GNSS correction services	Trimble SiteVision™ Precision Service including Trimble VRS Now™ and Trimble RTX Use of other third party VRS correction services may involve an additional cost from the 3 rd party service provider
Cloud storage	Trimble Cloud services

1 Performance depends heavily on many contributing factors. Accuracy and reliability may be subject to anomalies such as multipath, satellite geometry, atmospheric conditions, and proximity to obstructions such as trees, mountains, buildings, and other structures.
 2 Applies to Trimble SiteVision Integrated Positioning System only, not user provided mobile device.
 3 Using VRSNow, third party VRS networks or internet connected base stations using Trimble Internet Base Station Service (IBSS) or similar services
 4 See the Trimble Global Coverage maps for more details for more details:
<https://positioningservices.trimble.com/resources/coverage-maps/>

Specifications subject to change without notice.

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