Trimble SiteVision

OUTDOOR AUGMENTED REALITY SYSTEM

* Smartphone not included.

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:
sitevision.trimble.com

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HARDWARE	
	SV INTEGRATED POSITIONING SYSTEM
GNSS position accuracy	Hz: 1 cm + 1 ppm RMS Vt: 2 cm + 1 ppm RMS
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

* Applies to Trimble SiteVision Integrated Positioning System only, not user provided mobile device.

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	SiteVision™ Precision Service including Trimble VRS Now™ and Trimble CenterPoint® RTX
Cloud storage	Trimble Cloud services

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Specifications subject to change without notice.

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