INFO SHEET

Trimble WorksManager Drone

Software

Trimble® WorksManager Drone software provides an efficient drone data processing workflow to accurately turn flight data into actionable site data.

Use the trusted Trimble ecosystem

Measure ground control points with Trimble Siteworks software then processes the raw data with WorksManager Drone delivering high-quality orthoimagery and point cloud data, enabling you to see site progress from anywhere.

Prevent errors and save time

An easy four-step processing wizard guides you to set up every mission with the specifications and output required for the job. Before processing, the flight data is automatically validated to ensure high-quality data is delivered every time.

Choose the level of detail your job requires

Choose between low, medium or high resolution based on your requirements and processing times. High-accuracy processing is available for professional survey drones and standard imagery formats.

From drone to decision

Use quality drone data to gain a better view of civil construction jobsite operations.

Mass excavation: Track volumes, audit stockpiles, plan mass hauls and monitor progress

Highway and infrastructure: Track production, plan, collaborate and resolve disputes

Material management: Manage stockpile inventory and site safety

Large sites: Verify as-builts, coordinate subcontractors and resolve disputes



Measure ground control points (GCPs)
Set up and measure checkerboard GCPs using Trimble Siteworks or Trimble SiteVision®
RECOMMENDED

Fly the mission
Use RTK/IBSS corrections

Process the mission
Use the four-step processing wizard to upload imagery, validate flight metadata and review GCPs, configure outputs and submit

Receive deliverables
Point cloud
Orthoimage
Surveyed surface
Post-processing QA report

Trimble

Worry-free ownership — your way

Always have the latest Trimble technology, world-class service and accidental damage cover with no upfront investment through a subscription. Prefer a traditional purchase? Add a Trimble Protected protection plan for coverage including wear and tear, environmental damage and more.

Available on Trimble Works Subscription

civilconstruction.trimble.com

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Trimble WorksManager Drone

Software

Keep machine operators and survey crews connected to the right information



WorksManager Drone is available through WorksManager, the mobile-friendly site management software that helps you make smarter decisions and keep your projects running smoothly:

- Design management and transfer
- 3D jobsite visualization, volume measurement and drafting tools
- Machine status and location tracking in real time
- Remote log-in for operator troubleshooting and assistance
- ISO 15143-4 compatibility to share designs on non-Trimble tech

WorksManager Drone correction matrix

	POSITIONING SOURCE	UPLOAD	PROCESSING WORKFLOW
RTK Drone	**GNSS and real-time correction source** ***High precision*** The drone receives GNSS signals and IBSS (over the internet) or Trimble VRS Now corrections to obtain high precision RTK geotags. *Note: When real-time corrections are not available geotags are uncorrected and can not be post-processed.*	• Drone images • Job site calibration file (.dc or .cal)	Geotags are aligned with the jobsite coordinate system. *Note: Checkerboard GCP's are recommended for QA validation.*
Non-RTK Drone	**GNSS only** ***Requires ground control points (GCP's)*** The drone receives uncorrected GNSS satellite positions and creates low precision geotags requiring GCP's for photogrammetric post-processing.	• Drone images • Job site calibration file (.dc or .cal) • GCP coordinates	Geotags are aligned with the jobsite coordinate system via GCP's.

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