

# Feature Matrix

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## TRIMBLE 4D CONTROL V6.2 SOFTWARE

Trimble 4D Control™ (T4D) software offers three-tiered edition options, tailored to addressing different project requirements needed by specialized monitoring consultants, land surveyors, construction companies, dam and mining operators:

- **T4D Field:** Enables easy integration into a third-party system with efficient total station setup support for automated monitoring, data processing of total station measurements, and output of processed coordinates.
- **T4D Intermediate:** Manual total station data processing, network adjustment of total station data, processing of GNSS receiver data, integrated processing of total station and GNSS receiver data, data management (administrative web application), and data storage in a Microsoft SQL database.
- **T4D Advanced:** Adds support for geotechnical sensor management, and a front-end web interface for project management, data visualization, reporting and alarming.
- **T4D Geotechnical:** Complete package for geotechnical automated monitoring including analysis, reporting, visualization, and alarming. Supports geotechnical sensors using the gateway-based method in T4D Web.

Blue text denotes new or enhanced features in v6.2



Category	Feature	Field	Intermediate	Advanced	Geotechnical
Optical	Total station control	x	x	x	
	Support for Settop M1 (no data loss)	x	x	x	
	Processing data of single total station	x	x	x	
	Support external temperature sensor	x	x	x	x
	Integrity check on observations	x	x	x	
	Automatic and scheduled compensator calibration	x	x	x	

	Alarming (Total Station)	x	x	x	
	Output of processed coordinates	x	x	x	
	Reporting of 1,2 and 3 sigma errors	x	x	x	
	Trimble VISION support	x	x	x	
	Enhanced site setup workflow		x	x	
	Network adjustment (multiple total stations)		x	x	
	Stored time series of processed results		x	x	
GNSS	Receiver connection and control		x	x	
	Non-Trimble receiver connection		x	x	
	RTK processing (VRS and baseline)		x	x	
	Post-processing		x	x	
	Alarming (GNSS)		x	x	
	Stored time series of processed results		x	x	
Optical + GNSS	Raw data storage		x	x	
	FTP mirroring of stored raw data		x	x	
	Real-time raw data routing		x	x	
	Combined processing optical and GNSS		x	x	
	Combined network adjustment		x	x	
Web Application	Project and sensor management		x	x	x
	Account management			x	x
	Charts			x	x
	Scatter plots			x	
	Map views			x	x
	Custom and composite views			x	x
	Webcam support			x	x
	Sensor groups and bulk creation			x	x
	Scheduled reporting			x	x
	Comprehensive analysis capabilities			x	x
	Advanced alarming capabilities			x	x
	Calculation sensor support			x	x
	Alignment-based monitoring			x	
Geotechnical	Sensor agnostic file import			x	x
	Inclinometer sensor chain support			x	x
	Alarming (Geotech Sensors)			x	x
	Gateway-based sensor connection			x	x
	Trimble Gateway connection			x	x
	Trimble Tiltmeter and Laser-tilt support			x	x

The following sensor nodes are included with T4D editions. Additional nodes can be purchased based on project requirements.

Category	Feature	Field	Intermediate	Advanced	Geotechnical
Included Sensor Nodes	Total Station Node	1	1	1	
	GNSS Receiver Node		1	1	
	Geotech Node			5	5