Field Solutions in Surveying

Trimble

FIELD SOLUTIONS

RELEASE THE FULL POTENTIAL OF YOUR SURVEYING GEAR... AND YOUR BUSINESS.

Trimble controllers and field software empower you to collect, share, and deliver surveying information faster and more easily, and to a higher professional standard. Supported by a universal interface and common workflow conventions, Trimble provides surveyors with a total approach to managing fieldwork.

Accomplish more each day with your surveying gear. Trimble Field Solutions promote faster time-to-deliverable, and improve your competitive edge with increased productivity and easy access into new, specialized applications.
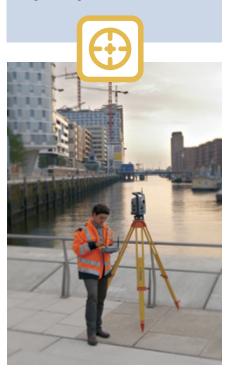
OUR OBJECTIVE IS SIMPLE: YOUR SUCCESS

Only you can decide what success means for your business. Is it finishing each job faster so you can take more on? Creating a specialized niche that only you can fill? Coming out on top in a highly competitive environment? Or simply achieving greater efficiency to improve your bottom line?

Whatever your unique definition of success, you can count on Trimble Field Solutions to provide all the tools necessary to achieve your goals.

COLLECT

Trimble Field Solutions work in harmony with our GNSS and optical surveying instruments to gather surveying information that is unsurpassed in accuracy. Collect more data in less time and avoid rework by getting the job done right the first time. Capture the whole picture with value-add information such as geotagged digital images.

SHARE

All you need is an Internet connection to share data and other job information. Eliminate the downtime of travelling between field and office and enjoy real-time communication and collaboration between all members of your team.

DELIVER

Produce higher-quality deliverables more quickly…and send them directly from the field. You can even perform calculations and generate reports without a trip back to the office. Computing in the field lets you deliver faster to clients, which saves time and money.

TRIMBLE INTEGRATED SURVEYING™ TECHNOLOGY. A CONSTANT EVOLUTION.

At Trimble we are constantly searching for ways to push the boundaries of surveying efficiency, productivity, profitability, and possibility. Our employees, many of them also surveying professionals, daily combine their knowledge and expertise looking for innovative ways to help you work smarter and achieve more in fewer hours.

In our continual development of Trimble Field Solutions, we look beyond isolated product features to create complete solutions that deliver big-picture results. Along the way, our collective ingenuity has generated over 850 patents, changed how the surveying industry does business, and helped companies like yours achieve through-the-roof productivity and profitability.

TRIMBLE CONTROLLERS ACCELERATE DATA COLLECTION, STAKEOUT, AND IN-FIELD DATA ANALYSIS

Ergonomically designed and built for the demanding conditions surveyors face, Trimble controllers perform like a trusted member of your team. A range of connectivity and communication options make setup and data delivery fast and streamlined. Matched with the industry's most sophisticated field software, they enable you to accomplish more every day.

TRIMBLE TABLET RUGGED PC

All the power and perks of a laptop, tough enough for daily abuse

• Bright, 7" color touch screen
• Windows 7 Operating System
• Two integrated cameras with video capability
• Integrated GPS for navigation and photo geotagging

Surveyors who rely on visual data such as full-size background maps and complex computations will appreciate the Trimble Tablet. Rugged enough for any job in any weather, it combines the toughness and portability of a field controller with the operating power and larger interface of a laptop.

TRIMBLE TSC3 CONTROLLER

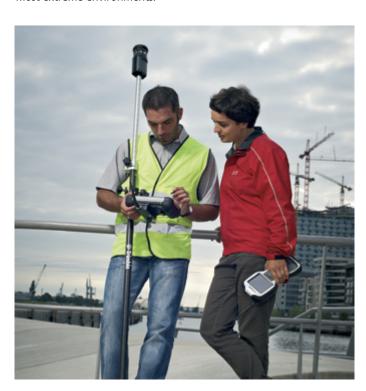**Your other clever field devices can stay in the truck; the TSC3 does it all**

• Large, bright screen helps you see more
• Integrated GSM/GPRS modem
• Full QWERTY or ABCD keypad
• Integrated camera, compass, and communications
• Includes GPS for navigation and photo geotagging

All of the field devices you need are combined into one, integrated package.

With Trimble Access™ field software on board and a broad feature set, the Trimble TSC3 controller integrates many of the peripheral devices modern surveyors need every day.

Even Internet connectivity is built in: the integrated modem enables immediate Web connections to unlock the full potential of Trimble Access and real-time data synchronization. Just one device to have and to hold…with a battery that will last all day long, even in the most extreme environments.

The Trimble Tablet is a versatile all-in-one computer that brings new power to the job site.

TRIMBLE CU CONTROLLER

Hands-free operation with textbook efficiency

- Optimized for Trimble Access field software
- Rugged specifications for reliable daily performance
- Attaches to your optical instrument for convenient hands-free operation
- Detaches in seconds to control a roving receiver or a robotic instrument

Keep both hands free while behind the instrument. The Trimble CU controller runs your choice of Trimble field software plus specialized Windows software. It also supports Bluetooth® wireless technology, so when paired with a receiver such as the Trimble R8 or Trimble R6 rover, the system becomes 100% cable free.

The Trimble CU is one part integrated controller, one part handheld. Simply attach or detach as needed.

MAKE EVERY MINUTE OF EVERY DAY MORE PRODUCTIVE

What's in your schedule today? You might need to observe a first-order control point at one location, stake out a section of road grade at a second, and then perform an "as-built" audit at the third site. When you have multiple jobs to complete and mountains of data to move, every minute of every day counts. You can't waste time configuring your surveying gear—you need to get to work.

With Trimble's suite of field software, the power is literally 'in your hands' to take on more jobs and complete them more efficiently than ever before. Our field software is powerful, but easy to use, so you can focus on getting each job completed.

TRIMBLE TSC2 CONTROLLER

Built for the field for any conditions, featuring Trimble Survey Controller field software.

- Advanced controller for exceptional versatility, efficiency, and freedom
- Highest flexibility for optical and GNSS surveying
- Wireless operations in both the field and office
- Optimized for Trimble Survey Controller software

The Trimble® TSC2® controller is extremely rugged and flexible to use for optical and GNSS surveying. The Trimble TSC2 running Trimble Survey Controller software is especially suited for advanced RTK point collection, stakeout and roading tasks with the Trimble R4 GPS system and L1/L2 postprocessed surveying. For L1 postprocessed surveying, the light and compact Trimble R3 system based on the Trimble Recon® controller with Trimble Digital Fieldbook™ software is also available.

TRIMBLE ACCESS FOR GENERAL SURVEY

Trimble Access™ field software takes everything surveyors have loved about Trimble Survey Controller™ software over the years and adds the power, functionality and modularity that modern users need today. Designed to support your everyday work, including topographic surveys, staking, control, and more; Trimble Access offers a familiar, easy-to-use interface that will ensure your instant productivity—you'll experience less of the typical downtime associated with learning new software.

Trimble Access for General Survey supports the full range of Trimble GNSS and optical sensors, plus robotic radio connections. Simply choose the Trimble controller that best meets your surveying needs.

SHARE DATA IN REAL TIME
When your business demands more speed through better data flow, you can bridge the gap between field and office by enabling real-time data sharing with a Trimble Access services package. At the speed of the Internet you can instantly move files, provide updates to clients, and deliver completed projects.

General surveying capabilities are the foundation of Trimble Access field software, improving your worksite efficiency:
• Easy-to-use feature coding including measure codes for repetitive tasks
• Feature-rich graphical COGO routines for calculating points and features
• Graphical staking of points, lines, arcs, and alignments from active maps
• Topo surveys and scan data can be used to create surfaces and perform volume computations in the field
• Audible voice prompts for easy stakeout and location of control points
• Integrated Surveying™ technology combining optical, scanning, and GNSS data, plus images, in the same job

• Trimble Vision enabled sensor control:
  – Remote control of instrument through the live video screen for positioning and measurement to prism or reflectorless targets
  – Data overlay on live video for efficient visual QC of measurements
  – Capture of metric images for photo documentation or postprocessed measurements

For details about Trimble Access and other field software options, please refer to our website: www.trimble.com/survey/field-software.aspx

TRIMBLE ACCESS STREAMLINED WORKFLOWS

Trimble Access offers optional Streamlined Workflows to guide crews through common project types and improve data consistency. These specialized modules make data collection fast and easy. And they allow crews to focus entirely on the deliverables—instead of the software commands for each task along the way.

ROADS

The Trimble Access Roads module imports road definitions from many third-party sources, or you can key in a complete road definition that includes horizontal and vertical alignments, templates and superelevation, and widening records. A graphical stakeout workflow includes slope staking, real-time redesign, and real-time quality control.

MONITORING

Surveyors looking for a fast entry into deformation monitoring can take advantage of the Trimble Access Monitoring module. This workflow accelerates setup, data collection, and reporting. Perfect for optical surveying campaigns, the step-by-step process expedites both the initial survey and return visits.

MINES

Opportunities for mine surveyors working above ground to move underground is now easier to reach than ever. The easy to follow workflow guides you through tasks such as auto-staking lines and points with the laser pointer of a Trimble S Series total station.

TUNNELS

The easy-to-follow workflow guides the user through tasks such as the automated scanning of tunnel profiles and the setout of rock bolt positions. Marking areas of underbreak is quick and easy with the laser pointer of a Trimble S Series total station or Trimble VX Spatial Station. The graphical interface provides a clear view of the as-designed versus as-built conditions.

SERVICES

The perfect compliment to Trimble Access, subscribers can easily share information for faster delivery from the field and last-minute changes from the office. The Trimble Connected Community™ portal enables the entire team to securely collaborate throughout the duration of the job.

Be sure to check online to see all of the modules available: www.trimble.com/access

WHICH TRIMBLE ACCESS CONTROLLER IS RIGHT FOR YOU?

	Trimble Tablet	TSC3	Trimble CU
Screen Size	7"	4.2"	3.5"
Screen resolution	1024 x 600	640 x 480	320 x 240
Color touch screen	Yes	Yes	Yes
Keyboard	Touch screen keyboard, 6 keys	Full QWERTY or ABCD	Alphanumeric
External speaker	Yes	Yes	Yes
Operating System	Windows 7 Professional	Windows Embedded Handheld 6.5	Windows Embedded CE 6.0
Attachable to total station	No	No	Yes
Integrated Surveying (GNSS and total station support)	Yes	Yes	Yes
Trimble Access	Yes	Yes	Yes
Internal camera	2.0 MP AF outward-facing, 1.3 MP user-facing	5.0 MP AF, dual white LED flash	No
EyeFi (external Camera Support)	Yes	Yes	No
Internal GPS with SBAS	Yes	Yes	No
Picture Geotag with Internal GPS	Yes	Yes	No
Coarse GPS Navigation	Yes	Yes	No
Stakeout internal Compass Support	No	Yes	No
Internet Connection	Express Card modem	Internal modem	via Bluetooth

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