

KEY FEATURES

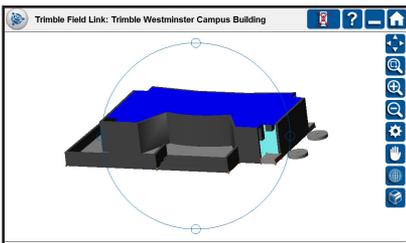
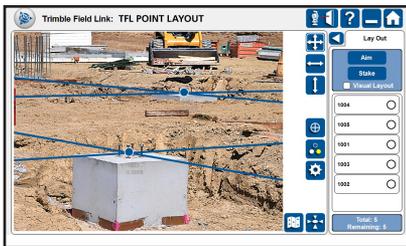
View point data overlaid on image when viewing in camera mode with Trimble VISION™

Expandable detail pane for improved point information during layout

Task based layout routines with user defined point lists

3D Model viewer to visualize models in the field and more accurately build to design

Field reports to quickly and accurately report field issues and conflicts to ensure timely resolution



Trimble Field Link for Structures continues the Building Construction Division's philosophy of creating leading edge solutions designed for the specific needs of building contractors. With the increasing needs of contractors implementing Virtual Design & Construction (VDC) and Building Information Modeling (BIM) construction processes, Trimble Field Link for Structures takes construction layout and field tasks to the next level.

Trimble VISION™

With the increased importance of Quality Control/Quality Assurance, and accurate as-built data collection, the Trimble RTS773 Robotic Total Station and Trimble Field Link with Trimble VISION technology provide an unequalled ability to visualize what is being measured or staked. The RTS773 Robotic Total Station includes a camera that provides users a "through-the-telescope" view on Trimble Field Link while working robotically. Trimble VISION technology can be used in a variety of applications within Trimble Field Link including layout, collect data, and generate field reports. To provide an accurate representation of the design and field image that is displayed on Trimble Field Link, job data including points and linework is overlaid on the camera image. The Trimble VISION technology with Trimble Field Link provides the most accurate and realistic interpretation of the measurement surface.

Lay Out

Trimble Field Link for Structures allows a task-based workflow to easily manage layout tasks. A list of points to be laid out is created eliminating the need for field crews to "skip" points that do not need to be laid out. The *Layout Point List* can be populated using common descriptions, layers, or selecting points from a list or map.

Since field layout personnel have different visualization preferences and not all jobs dictate seeing the same level of detail, Trimble Field Link for Structures incorporates customizable views in layout allowing users to create the most functional interface for their particular usage.

Users can choose between maximizing the map view with a condensed view of the layout point list details or viewing maximum layout point list details. Users can also toggle between the typical map view during layout and a new enhanced bulls-eye view.

Reporting

Trimble Field Link for Structures includes enhanced reporting to assist contractors with understanding what is going on in the field. The *Layout Deviations* and *Daily Layout Summary* allow contractors to quickly measure their layout productivity and accuracy.

In addition, users can document daily field activities and existing site conditions for RFI communications using the included *Field Report*. *Field Report* allows users to include detailed text, digital photos, and measurement coordinates to clearly communicate issues and conflicts in the field.

Model Viewer

Trimble Field Link for Structures extends the VDC and BIM workflow processes to the jobsite by incorporating a 3D model viewer that enables field personnel to view 3D design models (DWG or DXF format). This capability allows field crews to more clearly visualize the design intent and make timely and accurate decisions when issues arise. Simple navigation controls make viewing 3D models simple, even for novice users.

TRIMBLE FIELD LINK FOR STRUCTURES

STANDARD FEATURES

- Genuine Windows 7 Professional
- Intel Atom 1.6 GHz processor
- 1 GB DRAM
- 32 GB Solid State Hard Drive
- Sunlight readable color display
- 5 wire resistive touchscreen
- Rugged waterproof design
- Headphone/speaker mini-jack stereo
- Microphone/line-in mini-jack
- Outward facing autofocus 2 MP camera (video and photo)
- User facing 1.3 MP camera (video and photo)
- Integrated Bluetooth 2.1 Class 2
- Integrated WiFi b/g (Cisco certification pending)
- Integrated GPS
- SDIO memory slot
- ExpressCard 34 mm slot
- Extended Battery Set (8 hours)¹
- 12-month warranty

STANDARD SOFTWARE

- User's Manual (electronic)
- Internet Explorer
- G-Camera software linked to GPS
- GPS receiver control software

STANDARD ACCESSORIES

- AC charger with power cord
- Stylus pen
- Tether for stylus pen
- Hand strap
- Screen protectors
- Extended Cap
- Display Cleaning Cloth

OPTIONAL ACCESSORIES

- 12 V Vehicle Charger
- International Adaptor
- Pole Mount
- Office Docking Station (features a 2-bay extra battery charger)
- Lanyard for stylus
- Rugged Keyboard

PHYSICAL

Size (LxWxH) 5.5 in x 9 in x 2 in (14 cm x 23 cm x 5 cm)
 Weight 2.6 lb (1.2 kg) including strap and standard batteries
 Colors yellow w/ black or gray w/black
 Housing Mg-Al
 Keys six keys (power, enter, directional and 3 user programmable function buttons)

ENVIRONMENTAL SPECIFICATIONS

Meets or exceeds:

| | |
|---------------------------------|--|
| Water | Immersed in 1 m of water for 30 minutes Water Jet 12.5 mm dia. @ 2.5 m-3 m, 100 Liter/min MIL-STD-810F, Method 512.4, Procedure I IEC-529, IP67 |
| Sand & dust | 8 hours of operation with blowing talcum powder MIL-STD-810F, Method 510.3, Procedures I, II IEC-529, IP67 |
| Drop | 26 drops from 4 ft (1.22 m) onto plywood over steel 6 additional drops at -22 °F (-30 °C) 6 additional drops at 140 °F (60 °C) MIL-STD-810F, Method 516.5, Procedure IV |
| Vibration | General Minimum Integrity and Loose Cargo test MIL-STD 810F, Method 514.5, Procedure I, II |
| Operating Temperature | -22 °F to 140 °F (-30 °C to 60 °C) MIL-STD 810F, Method 501.4, Procedure II MIL-STD 810F, Method 502.4, Procedure I, II, III |
| Storage Temperature | -40 °F to 158 °F (-40 °C to 70 °C) MIL-STD 810F, Method 501.4, Procedure I MIL-STD 810F, Method 502.4, Procedure I, II, III |
| Temperature shock | -22 °F/149 °F (-30 °C/+65 °C) MIL-STD-810F, Method 503.4, Procedure I |
| Humidity | .90%RH temp cycle 32 °F/158 °F (0 °C/+70 °C) MIL-STD-810F, Method 507.4 |
| Altitude | 15,000 ft at 73 °F (22 °C) and 40,000 ft. at -22 °F (-30 °C) MIL-STD-810F, Method 500.4, Procedures I, II, III |

ELECTRICAL

| | |
|---------------------------------|--|
| Processor | Intel Atom Z530 1.6 GHz processor |
| RAM Memory | 1 GB DDR2 |
| Storage | 32 GB Solid State Hard Drive |
| Expansion | SDIO memory slot ExpressCard 34mm slot |
| Display | 7" widescreen 1024x600 WSVGA 650 nit |
| Standard Batteries | Dual hot-swappable Lithium-Ion batteries, 2600 mAmp each |
| Extended Batteries | Dual hot-swappable Lithium-Ion batteries, 5100 mAmp each |
| I/O | USB 2.0 port (x2), 9-pin serial port (RS-232) DC power port, 32-pin docking |
| Integrated Bluetooth | External GPS Antenna via Vehicle Docking Station Billinton Bluetooth v. 2.1 + EDR Compliant Class 2 (2.5 mW) |
| Integrated 802.11 b/g | Intel WiFi Link 5100 (CCX) |
| Integrated GPS | SIRF STAR III, WAAS capable |

CERTIFICATIONS:

MIL-STD-461E (RE102, RS103), RoHS compliant, MIL-STD-810F, IP67, TUV, C-Tick (Australia/New Zealand), FCC (US), CE (EU), IC (Canada), Section 508 compliant, CCXv4

¹ To ensure best performance when temperatures are below -4 F (-20 C), be sure battery is inserted in the device only when in use. When device is not in use at these temperatures, keep batteries in a pocket or stored in a warmer area.

Specifications subject to change without notice.

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