DATASHEET

TRIMBLE FIELD LINK FOR MEP

KEY FEATURES

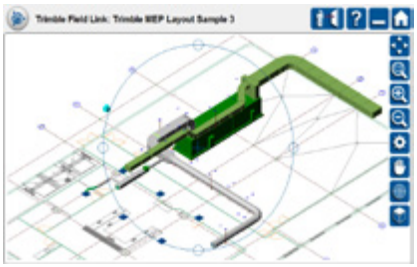
View point data overlaid on image when viewing in camera mode with Trimble VISION

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 MEP Model Viewer

Trimble Field Link for MEP 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 MEP 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 unequaled 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 MEP 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 MEP 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 MEP 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 MEP 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

TRIMBLE FIELD LINK FOR MEP

STANDARD FEATURES
- Genuine Windows 7 Professional
- Intel Atom 1.6 GHz processor
- 1 GB DRAM
- 80 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-hour)[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
External GPS Antenna via Vehicle Docking Station
Integrated Bluetooth. . . . . Billionton 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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