DATASHEET

Trimble XR10

with HoloLens 2

Your data. Your work site. Together, at last.

Close the project loop for stakeholders on-site and in the office by providing enhanced, actionable collaboration through mixed reality with Trimble® Connect for HoloLens® and the XR10 with HoloLens 2.

Trimble XR10 with HoloLens 2

- XR10 is the only HoloLens 2 solution compatible with an industry standard hardhat and certified for use in safety controlled environments
- Industry leading 43° field-of-view, for the best possible mixed-reality experience
- Improved hand and eye tracking sensors for automatic calibration and instinctual interaction with menus and holograms
- 5-microphone array and innovative bone-conductive headset to provide crystal clear 2-way communication in high ambient noise environments
- Improved weight distribution and flip-up visor for increased wearability

Trimble HoloTint

Trimble HoloTint snaps onto the front of the Trimble XR10 with Hololens 2 in order to improve readability in bright and sunny conditions. This add-on accessory increases the contrast between the environment and the holograms, enabling the use of mixed reality in outdoor conditions or in bright environments.

Trimble Connect for HoloLens

- Put Vision into Context: see the design intent on your project; models are given context when overlaid onto the real world enabling field workers and reducing errors
- Increase Productivity: real-time interaction between the field and design files, through ToDo's and live collaboration sessions, to aid in making quicker and more informed decisions
- Improve Efficiency: visualize, express and interact with 3D data on-site to stay on schedule and avoid rework
- Avoid Disruption: Trimble Connect for HoloLens supports nearly every design file type for contractors

Benefits

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Trimble XR10 with HoloLens 2 Specifications

- Optics: See-through holographic lenses (waveguides)
- Resolution: 2k 3:2 light engines
- Head tracking: 4 visible light cameras
- Eye tracking: 2 IR cameras
- Depth: 1-MP Time-of-Flight depth sensor
- Camera: 8-MP stills, 1080p30 video
- Microphone array: 5 channels
- Speakers: Mobilus mobiWAN_TR bone-conductive Bluetooth headset
- Storage: 64-GB UFS 2.1
- WiFi: 802.11ac 2x2
- Bluetooth: 5.0
- Fit: Fits over glasses
- Hardhat: Compatible with MSA V-Gard (Cap Style and Full Brim) with Fas-Trac III Suspension
- Industry Standard Accessory Mounts: compatible with standard 3rd party accessories (earmuffs, chin straps, and more)
- Hardhat Impact Protection: ANSI/ISEA Z89.1-2014 Type 1, Class E (OSHA Compliant) || CSA Z94.1 || EN 397:2012 + A1:2012 || AS/NSZ 1801 || GB2811-2017
- Intrinsic Safety: UL Class I, Division 2; UL 121201 & CSA C22.2 NO. 213
- Visor Basic Impact Certification: ANSI Z87.1-2015; CSA Z94.3-07, EU EN 166, AS/NZS 1337.1
- Ingress Protection Rating: IP50 (dust protected)
- Weight: 0.79kg (1.75lbs) XR10 / 1.25kg (2.75bs) with hardhat and mobiWAN_TR
- Operating Temperature: +10°C (+50°F) to +27°C (+81°F)
- Storage Temperature: -20°C (-4°F) to +60°C (+140°F)
- Operating/Storage Humidity: 8% to 90% RH (Relative Humidity)

Trimble Connect for HoloLens - Features

- Trimble Connect Cloud Platform Integration
- Support for .SKP, .IFC, .RVT, .DWG, .DXF and more!
- Large Model Support
- Multiple Model Overlay
- Real-World Model Alignment Tools
- Measurements within and between real and virtual environments
- ToDo's for RFI Management
- Co-Located/Remote Collaboration
- Sequencing tools for step-by-step guidance through sequence model groups

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