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meta

AUGMENTED REALITY



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# Optimize the CAD Design Process with the Meta Model Viewer, Powered by SOLIDWORKS

Product design is a three-dimensional process, so why view your CAD models on a 2D screen? Now you can visualize and interact with 3D CAD models at 1:1 scale in the Meta 2 Software Development Kit.

Whether reviewing a preliminary design with your manufacturing team, or presenting your design vision to a potential customer, augmented reality (AR) provides you with the ability to visualize and contextualize your designs in a manner that was previously only an option at the physical prototype stage. Soon, designers, developers, sales personnel, and non-technical employees alike will be able to import and view AR-ready CAD models in the form of a glTF file format in the Meta 2 AR headset, allowing for real-time visualization and interaction that will holistically optimize the 3D design development process.

Key features and benefits of the Meta Model Viewer:

- **Bridge the Gap Between CAD Models & Physical Counterparts:** Quickly and easily share your design vision digitally before the physical design stage begins.
- **SOLIDWORKS Quality in AR:** Converting 3D CAD models into AR-ready files can result in a loss of important data that compromises model integrity, but with the Meta Model Viewer users will be able to dramatically reduce the loss of key design information. Animations, display states, materials, and 3D model hierarchy are all retained.
- **Design in Context:** Review your 3D CAD designs within the context of your real-world environment and at 1:1 scale through the most immersive AR headset on the market.
- **Direct Object Manipulation:** Grab, rotate, and scale your models using direct hand interaction or traditional mouse and keyboard—no need for complex maneuvering or hotkeys.
- **Cost & Time Reduction:** Improve design reviews and shorten the overall design process by using AR to reveal design issues earlier in the process.
- **No Coding Skills Necessary:** Now any designer, engineer, salesperson, or training professional can quickly view 3D models in AR without having to code. Simply export a glTF file from SOLIDWORKS and open it with this tool in your Meta AR headset.

## Meta 2 Headset Specifications

90-degree field of view

2.5K resolution, 60Hz refresh rate

Hand interaction & positional tracking sensors

720p front-facing RGB camera

9 ft (2.7 m) cable for video, data & power

Weighs 1.1 lb / 500g

Adjustable head straps for comfort

Memory foam support pads

4 surround sound speakers

3 microphones

For more information, contact Alignex at [info@alignex.com](mailto:info@alignex.com) or 866-378-6829. Designed and made in the US.

The Meta Model Viewer with SOLIDWORKS glTF capability is an anticipated future Meta product - the timing, public availability and exact features of which are subject to change at Meta's and SOLIDWORKS' sole discretion. **Disclaimer:** The Meta 2 device contains a Class 1 laser product. No service or "service related" adjustments are to be performed on the Meta 2 other than by an authorized manufacturer or service provider. **CA Prop 65 Warning:** This product may contain a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

