

# EON Interact™

Intuitive, interactive, immersive 3D display system



## Why use EON Interact™?

EON Interact™ is the most easy-to-use interactive stereoscopic 3D experience available for **medium-size 3D displays** with **interactive 3D content**. Rather than simply looking at a flat computer screen, in just minutes you can be **immersed in the digital environment** where **objects float** in front of the screen and you are the controller of the application. The capability to seamlessly interact within the environment makes you a participant in the 3D application, not merely an observer.

EON Interact is an **immersive stereoscopic turnkey display solution** that uses an EON exclusive integrated hardware solution only available through EON Reality. The system allows **intuitive, real-time interaction** with a bright 47" 3D screen with realistic 3D imagery that is responsive to the user's actions and can display multiple objects or a full Virtual Reality environment. The system includes **high end 3D software that enables easy conversion of 3D data, photorealism and advanced interactivity creation**, it supports CAD and 3D models as well as 3D movie and image stereoscopy.



*"The 3D presentation was the hit of the show. It achieved the impact we were looking for during our new product launch. Not only did the presentation showcase our products to dealers and potential customers, but it also can be expanded in the future to include advanced sales and service programs. The opportunity for this type of media is limitless."*

*Robert Harvell, President, LBX Company*

## Key Benefits

EON Interact is a **truly intuitive, interactive, immersive 3D display system** that is perfect for the **showroom as well as the classroom**. Business users report increased sales, marketing retention and reduced support costs through critical product communication. Educators agree that by engaging students and learners through compelling and interactive curriculum, knowledge transfer and retention will improve. Key benefits include:

- **Fast set-up** that can be learned within minutes
- **Low-cost**, high-quality stereoscopic 3D
- **Reliable** set-up and maintenance
- **Intuitive Gesture based interaction**
- **Runs from a laptop** with NVIDIA Quadro FX Graphics
- **Sensory interaction** through the use of head and body-tracking
- **Perspective viewing** through passive stereoscopic technique
- **3D Viewing Software** included
- Can be **extended with multi-user remote collaboration module** using EON Coliseum
- Includes **all features** and functions of **EON Ultra**. VR software authoring environment

[www.eonreality.com](http://www.eonreality.com)

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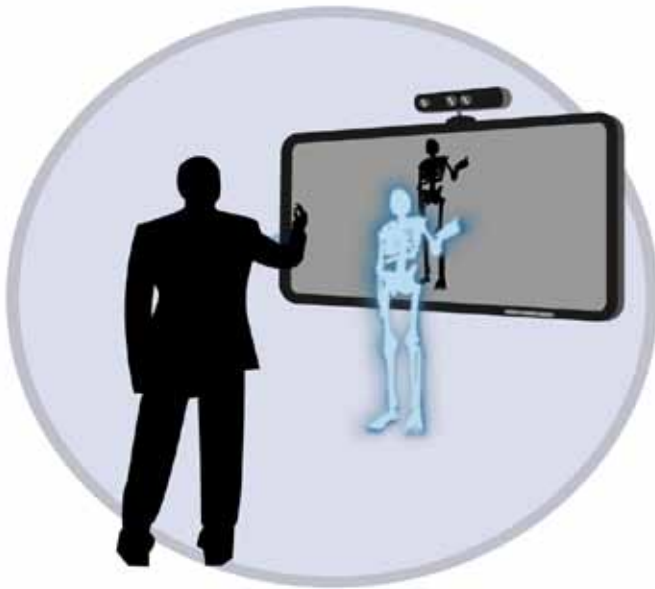
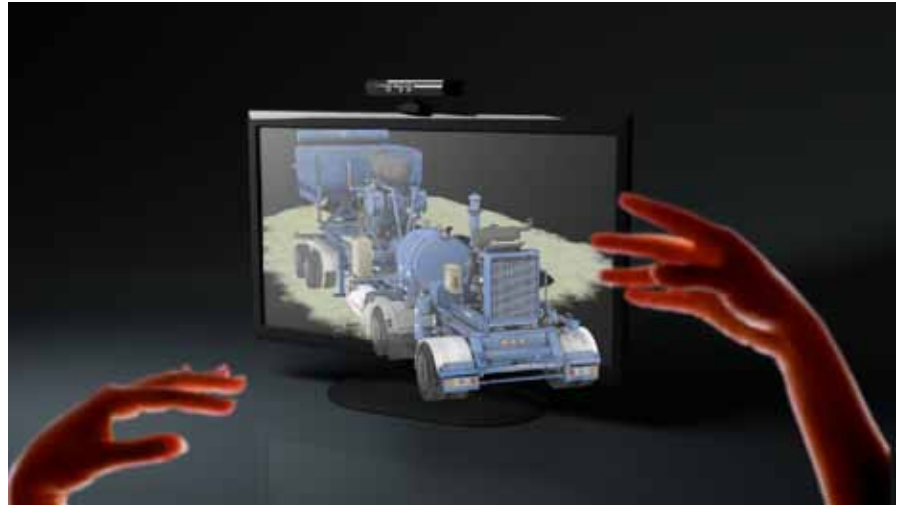
Interactive stereoscopic 3D experience



## System Overview

EON software is used to **display an interactive 3D model from a standard CAD or 3D modeling format in Quad-buffer full-resolution stereo mode.**

The NVIDIA Quadro FX graphics card converts the incoming stereo 3D signal to a 3D stereo signal, creating one monitor signal for the right eye and one for the left eye. The signal is then routed to a 3D screen, running an interleaved or frame sequential full stereo resolution image. To attain a 3D effect, 3D passive circular polarized glasses are used.



## Key Features

- **Fully integrated solution** with high-end graphics mobile workstation, projector, gesture interaction hardware and cameras, software, 3D applications, and glasses included
- **Offers seamless interaction** between the real world and the Virtual World, by using advanced camera technologies and body / gesture tracking technologies.
- Provides a turn-key system for **developing advanced interactive presentations** with the latest technologies, with best-in-class real-time visuals through EON Ultra software.
- **Fully trade show and event ready system** includes bright display and gesture interaction device that is not sensitive to varying indoor light conditions.

## Application Areas

- Industrial Training
- 3D Education & Public Awareness
- Retail and Virtual Showrooms
- Events and Product Launches

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