

EON Icatcher Mini™

Truly Portable Immersion



What is the EON Icatcher Mini™?

EON Icatcher Mini™ is the most portable, cost-effective and easy-to-use stereoscopic 3D experience available for **medium-size displays** with **front or rear projection**. 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. The capability to interact within the environment makes you a participant in the 3D application, not merely an observer.

EON Icatcher Mini 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 front or back projected 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 **software that enables easy conversion of 3D data and interactivity creation**, it supports CAD and 3D models as well as film 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 advance sales and service programs. The opportunity for this type of media is limitless."

*Robert Harvell
President, LBX Company*

Key Benefits

EON Icatcher Mini is **a truly portable, immersive 3D display system** that perfect for the **conference room and 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 (including projector alignment)
- **Low-cost**, high-quality stereoscopic 3D
- **Reliable** set-up and maintenance
- **Ruggedized for air travel** - meets standard airline check-in requirements
- **Small** projection unit with mobile workstation
- **Light** - less than 20 lbs
- **Improved native resolution** at 1400 x 1050 pixels
- Significantly **higher contrast** ratio, **shorter throw distance** and more than **twice the brightness** compared with EON Portable Icatcher
- **Runs from a laptop** with NVIDIA Quadro FX Graphics
- **Sensory interaction** through the use of data gloves and/or motion tracking (optional upgrade)
- **Perspective viewing** through passive stereoscopic technique
- **Rear projection and front** projection included
- Includes **all features** and functions of **EON Icatcher** VR software authoring environment

EON Icatcher Mini™

Portable 3D Display Solution



System Overview

EON software is used to **display an interactive 3D model from a standard CAD or 3D modeling format in Quadbuffer full-resolution stereo mode**. The NVIDIA Quadro FX graphics card converts the incoming stereo 3D signal to two monitor signals, one monitor signal for the right eye and one for the left eye. The signals are then routed to two DLP projectors, which are stacked and project images overlaid on top of each other. To attain a 3D effect, a polarized filter is fitted in front of the lens on each projector, and the images are projected onto a 3D screen and viewed through polarized 3D glasses.



Features

- **Fully integrated solution** with high-end graphics laptop, projectors, screen, filters, glasses and software included
- **Software and hardware compatibility** with a wide range of Virtual Reality peripherals, such as data gloves, Head-Mounted Displays (HMD), motion-tracking systems, joysticks and more
- **Expands the scope and functionality** of a desktop or Web-based EON 3D application
- **Cost-effective** single- or multi-channel application via the use of Cluster Visualization, a proprietary EON technology that enables multi-channel display systems using ordinary laptops to allow multiple Mini systems to be connected and synchronized if a wider field of view is desired
- **Fully mobile system** includes sturdy rolling/shipping case for projection unit and carrying case for screen



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