

EON TouchLight™

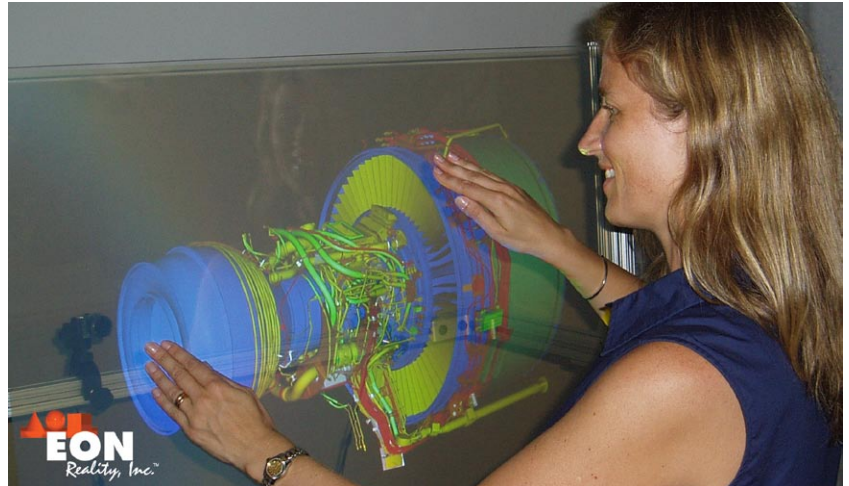
Interact with Your Bare Hands in 3D



Why use EON TouchLight™?

EON TouchLight™ is revolutionizing the immersive 3D interaction experience. It is just like a scene from the futuristic blockbuster movie “Minority Report”, wherein large transparent display screens are manipulated by simply reaching them with your bare hands.

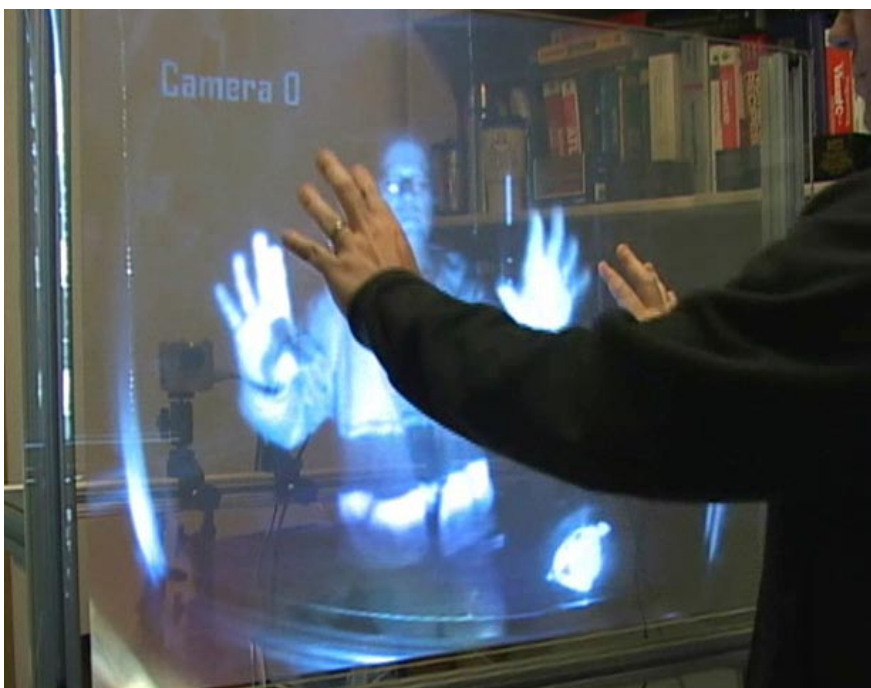
EON TouchLight brings the world at your fingertips allowing you to interact with smart 3D content that appears to float in space on the transparent screen pushing the boundaries of digital experience closer to reality.



“We all dream about creating a product that will redefine the way people work and live, such as the telephone, TV, or the Internet. EON TouchLight is just such a product. It blurs the line between reality and digital, going beyond previous technologies such as cumbersome VR gloves with Head Mounted Displays, expensive IMAX displays or flat screen web 3D. It realizes the old Virtual Reality dream of bare hand interaction while making the experience easy, accessible, and cost effective. Most importantly it provides a useful ROI based application that companies can utilize to increase sales and decrease training costs by making interaction with existing 3D content assets easy.”

Mats Johansson, President of EON Reality

Based on Microsoft and EON Research & Development



The EON TouchLight product is a new bare-hand 3D interaction virtual reality display system, developed by EON Reality Inc, based on a patented invention from Microsoft Research. EON has further developed the invention focusing on the ability to interact with 3D objects in real time by simply using bare hands.

“We’ve worked with EON Reality to turn a cutting-edge prototype from our research lab into a marketable product.”

Daniel T. Ling, Corporate Vice President of Research at Microsoft

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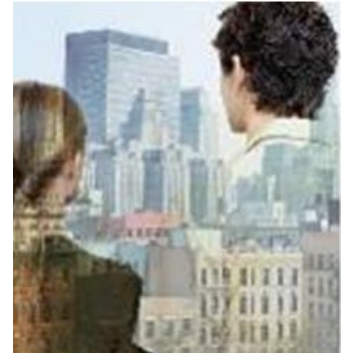
Realizing the Digital Interaction



Focus on Commercial Applications

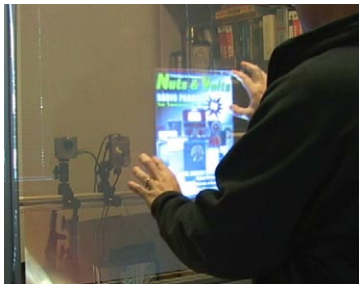
The industry demands easy to use systems for immersive 3D interaction. However, existing approaches need additional viewing aids like Head Mounted Displays, shutter glasses or tracking systems. EON Reality is pushing the boundaries of digital experience closer to reality by allowing users to experience “smart” interactive 3D content appearing to float in space - in and outside of the screen - while interacting by simply grabbing them with their bare hands.

EON Reality is incorporating EON TouchLight™ interactive display technology into the existing commercial, automotive, aerospace and defense industry product lines. EON's customers are able to use EON TouchLight for dynamic marketing displays, product demonstrations and truly interactive training experiences. Within the next two years, EON estimates that the technology will be used in stores to facilitate advanced shopping experiences and interactive technical support with products and assemblies appearing to float in the air during interaction. EON estimates that within the next 24 to 36 months this technology could be affordable enough for desktops.



“EON TouchLight provides interaction which is natural, fluent and direct. The display helps presentations for sales, marketing, design and training that makes them stand out. In today's cluttered market, companies need to deliver the message and be remembered. EON TouchLight allows you to grab viewers' attention like never before! We see numerous applications from the areas of kitchen planning for retail, vehicle configuration in dealerships, virtual window shopping of apparel, all the way to advanced R&D applications.”

Karen Padmore, Business Director of CAST, the first European user



Patented Technology Integrated with EON Media Player™

EON TouchLight makes it possible for you to interact with your digital data using your bare hands. Images, movies and high resolution interactive 3D products and environments can be zoomed, panned and rotated with both hands seamlessly thus replicating the natural way we interact in the real world. EON TouchLight uses image processing techniques to combine the output of two video cameras placed behind a semi-transparent plane in front of the user. The resulting image shows 3D objects that appear to float in space. In addition, a special projection screen material is used which permits projection onto a transparent display in normal indoor lighting conditions. EON TouchLight provides a high bandwidth

input/output surface suitable for gesture-based interaction. Users can interact with 3D objects either by touching the screen or moving their hands at a comfortable distance. This product allows manipulation of 3D objects by using optical flow techniques and it combines a number of special features such as interaction by tapping the screen, capturing of high resolution images etc. Interested parties can view a demonstration of the technology at <http://www.eonreality.com/video/touchlight/index.htm>



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