

If “a picture is worth a thousand words,” John-e-Box is a library of knowledge – and its on-the-job performance tells a powerful story. For example, a manufacturer with operations spread over 20 international locations, could have John-e-Box on 20 thin clients in the production and engineering departments. These thin clients are all linked to a thick client at its headquarters-based design center. When design questions or issues arise, communication with designers is quick, easy, and inexpensive.

Realize improved productivity, easier collaboration, faster design reviews and better results from your science, engineering, manufacturing environments and training programs. Open new horizons in Art, Education, and Museum activities.

The 4' x 3' display helps researchers analyze complex data sets and understand the true structure of scientific data and medical scans. Engineers and designers can view 3D engineering models, product designs and virtual environments. The portability of the system allows it to be deployed wherever these capabilities are needed.

“The John-e-Box represents significant steps forward in usability, maintainability, and affordability and is an ideal technology for bringing advanced display capabilities to IU’s regional campuses,” said IU Associate Vice President for Research and Academic Computing and IUB Dean for Information Technology Dr. Bradley Wheeler.”

At Indiana University, visualization and virtual reality technologies are used to help scientists and researchers analyze complex data sets and collaborate with colleagues, to help students experience historical spaces and understand important scientific phenomena, and to help artists and designers communicate their innovative concepts and creative experiences.

The increasing power, affordability, and usability of these systems allows technology groups to deploy these systems directly into labs and classrooms where they will have maximum impact and can be fully integrated with the institutions outstanding IT infrastructure and resources for networking, computing, storage, and

For more information about John-E-Box™ and CAE-net’s other advanced technology products and services, please contact us:

**CAE-net.com Inc.
1033 3rd Ave. SW Suite 210
Carmel, IN 46032
Phone: 317-846-6330**

e-mail:

Nema@cae-net.com

317-496-2884

Bob.starks@cae-net.com

317-413-9621

www.cae-net.com

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Vista 3D

John-e-Box



John-e-Box™ Visualization

CAE-Net's John-e-Box, Immersive Visualization System, Design Collaboration and Training Tool, means less time and money spent on travel and scheduling, with more Productivity, Flexibility and Interactivity.

The John-e-Box is named for the development team at Indiana University's Advanced Visualization Lab and Department of Chemistry, who created this economical, wide-screen 3D-stereo projection system for scientists, researchers, engineers, designers, and managers.

The John-e-Box represents the combination of several technologies, to meet industry demands for the integration of design applications to create a heterogeneous CAD environment for product development and design collaboration. CAE-net is now making John-e-Box, commercially available with additional unique features, options and benefits.

If you have attended an immersive visualization presentation, you may know that it can require a dedicated cave-like room, a cumbersome or permanent screen and multiple projection devices, precise chair positioning for optimal viewing and a lot of behind-the-scenes coordination. All of that can be expensive, particularly in today's environment of tight budgets and strong competition.

CAE-net's John-e-Box can change all that.

John-e-Box is conveniently packaged and can be easily moved from room to room, allowing immediate 3-D Stereo presentations without dealing with scheduling problems associated with bringing people in from other plants, states, or even countries. No special "cave". No special seating. And people in branch offices and other locations can participate in a regular 2-D session simply by turning to the Internet.



Designed to Save Time, Money and Travel

- **Immersive Visualization**

- Permits on-site viewing of product designs in 3-D stereo
- Used by Individual researchers in Medical, Science, Engineering and Technology schools
- Allows web browser based design reviews for off-site participants

- **The Perfect Collaboration Tool**

- Eliminates travel time and expenses associated with design reviews
- Streamlines the design process
- Improves overall time to market
- Uses all 3-D Stereo CAE/CAD/CAM application software
- Supports AutoCAD, CATIA, IDEAS, PRO/E, EDS, Nastran, MAYA, Microstation, Solidworks, TeamCenter Visualization, Unigraphics and other packages.
- Scientific computation and visualization in medical, life sciences, pharmaceutical, and energy industries
- Permits support and viewing of multiple applications as in Art and museums, simultaneously

- **A Cost-Effective Design and Visualization System**

- Facilitates design interactions before creation of costly prototypes
- Reduces necessity and costs of a stationary visualization center
- Collaboration of design team members to communicate innovative concepts. The increasing power, usability, and affordability of the John-e-Box enables deployment of stereo 3D systems directly into product development labs where 3D visualization can maximize understanding and control of design environments.