



IMMERSION ROOM

real time in real space™
connectivity...

SOLUTIONS

GUIDE



Ultimate Experience

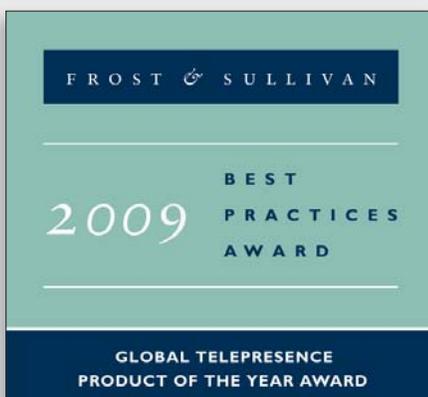
The DVE Immersion Room™ is the most realistic telepresence meeting system ever developed. It was conceived as an entirely new experience for leaders in business, education, and government to communicate as if actually in the room together. This is not typical videoconferencing or telepresence on a TV screen. Imagine seeing people from the other side of the globe in the middle of the room walking around as if 3D and holographic in appearance. The DVE Immersion Room™ builds relationships and increases meeting productivity. The DVE Immersion Room™ is the ultimate telepresence.

Completely Unique

Tele-immersion is the new frontier of conferencing. The patented DVE Immersion Room™ is based on years of development by the innovators who have led the conferencing industry in higher standards of quality. The DVE Immersion Room™ is a highly sophisticated augmented reality environment that projects volumetric 3D images in the middle of the room. The results are astounding and there is no comparison to traditional videoconferencing and telepresence. The Room was created for leaders who desire their telepresence meetings are as productive as being there in person.

Total Room Solution

The DVE Immersion Room™ is a turn-key luxury corporate presentation room. The Room virtually displays pristine immersive widescreen HD video, high-resolution computer images, and 3D models. The Room is also a stunning sales tool. Imagine your product or service presented in floating 3D productions mixed with recorded and live presenters. The DVE Immersion Room™ is installed from carpet to ceiling, everything has been thought through. The Room is the ultimate corporate communications and presentational environment.



“Global Telepresence Product of the Year Award”

Frost & Sullivan

Behind the scenes....

our partners and valued suppliers

Superior Projection Solution

DVE has formed a strategic alliance with Christie Digital Systems to assist in the integration of Christie's industry leading Mirage HD 3D projectors. The Mirage HD projector is based on 1080p DLP technology and delivers a true 120 frames per second image for stunning, high definition, flicker-free active stereo. Christie's expertise has been instrumental in the design of the sophisticated projection pathway that is incorporated into the Room.



Superior Speaker Solution

Blue Sky International is the foremost surround sound solution company for film and video post production, broadcast television, and music studios. Their prestigious clients include Skywalker Sound and ESPN. The speaker solution in the DVE Immersion Room™ provides the highest reproduction quality for voice and music.



Superior Microphone Solution

Revolabs, Inc. delivers innovative wireless audio products for both enterprise collaboration applications and professional audio applications. Revolabs' products facilitate natural mobility by allowing participants to move around with no wires to worry about. The combination of both the lined microphones and wireless microphones has provided the Room with the ultimate solution for quality voice capture.



Superior Lighting Solutions

DVE has collaborated with ELP in the development of the environmental lighting solution for the DVE Immersion Room™. ELP is the premier provider of lighting solutions for videoconferencing facilities around the globe. Their expert knowledge, design, and layout ensures world class lighting implementation in the Room.



Superior Control Solution

Crestron is the world's leading manufacturer of advanced control and automation systems. The DVE Immersion Room™ utilizes Crestron for controlling audio, video, computer, IP, and environmental systems. Included is a highly intuitive touch panel for ease in engaging a conference and all the presentational aspects of the Room.





3D Visualization Package

Includes:

- Augmented Reality (Images appear in the middle of the physical 3D space of the Room)
- Volumetric 3D (3D video objects with shading, reflection, and movement appear solid in form and float in mid-air).

Advanced 3D Packages:

- Real-time 3D model rendering computer and software
- 3D stereo real-time rendering computer, software, and additional components
- Real-time matting system for combining images of people with 2-D images and volumetric 3D objects.



Connects to Corporate Wide Telepresence

The DVE Immersion Room™ smartly aims a camera through the image for improved eye contact. This unique eye contact feature is also inherent to the DVE Huddle 70™. The DVE Huddle 70™ is intended to be used throughout corporate campuses in small meeting rooms. The DVE Immersion Room™ includes the ability to bring in smaller screen telepresence images from the Huddle, as well other legacy conferencing systems, and display them on flat panels in the Room.

Network Connections

Network: DVE consults with clients on how best to integrate the DVE Immersion Room™ with their existing infrastructure. An MPLS video supported network is required with approximately 15 megs of bandwidth (depending on the type and number of codecs).

VNOC and Exchange Partners: DVE recommends providers based on client needs. For example, if the client already has an internal VNOC then DVE will consult to integrate the Room seamlessly into their existing conferencing deployment. Or, if a client wishes to engage a provider, DVE will collaborate with the provider for the best possible implementation. DVE's long standing provider relationships will ensure the client is presented a total solution that is high quality and within budget.

Design Team

DVE's Design Team is ready to assist potential clients with all aspects of designing the Immersion Room™ into their facilities around the globe. This includes site surveys, custom designs, and interaction with facility personnel, contractors, and architects. The Design Team also consults on IT requirements and unified communications enhancements for a corporate wide telepresence strategy from the DVE Immersion Room™, to corporate wide small meeting rooms and even desktops.

Global Support

Project Management: DVE appoints a Project Manger for every deployment. Our manager coordinates every aspect of the project: site survey, plan design, fabrication, shipping, installation, final integration, and training. This hands-on process ensures a smooth deployment.

Support: DVE offers a variety of support programs and are custom tailored to the client's specific needs. If a client so deires, they may use their own internal resources for support, or they may prefer a third party to provide support.

Integration partners: DVE has a support certification program for qualified IT or audio/visual integrators.



DVE IMMERSION ROOM

Flexible Conference Infrastructure

The DVE Immersion Room™ utilizes one of several infrastructure conferencing systems with codecs from companies such as Polycom, LifeSize, HaiVision, Sony, Vidyo, Tandberg, and Cisco. The Room experience requires the best in image compression available since the Room utilizes a large immersive image. The flexibility of codec choices permits our clients to match the DVE Immersion Room™ to their specific performance needs within an existing conference infrastructure. Below are the typical features of a quality codec.*

BANDWIDTH

H.323/SIP 10Mbps

FIREWALL TRAVERSAL

H.460-18, H.480.19

VIDEO STANDARDS

H.263, H.263+, H.264

VIDEO FEATURES

Native 16:9 Widescreen
Multiple Layout Choices

VIDEO INPUTS

HDMI, SDI, DVI

VIDEO OUPUTS

HDMI, SDI,DVI

HD VIDEO RESOLUTION

1080P
720p

AUDIO STANDARDS

G.711, G.722.1, 64 bit & 128 bit
MPEG4 AAC-LD

AUDIO FEATURES

CD Quality 20KHz Mono and
Stereo
Echo cancellers
Audio Mixing
Gain Control
Noise reduction
Lip sync

AUDIO INPUTS

XLR, RCA, HDMI

AUDIO OUTPUTS

XLR, RCA, HDMI

DUAL STREAM

H.239 (H.323)

MULTISITE

H.323/SIP/VOIP
4-way HD

PROTOCOLS

H.323
SIP

EMBEDDED ENCRYPTION

H.323/SIP point and multipoint
Standards-based: H.235 v2 & v3
and AES*

AUDIO STANDARDS

G.711, G.722, G.722.1, 64 bit &
128 bit MPEG4 AAC-LD, AAC-LD
Stereo

CAMERA

HD all formats
HDMI – HD-SDI

SYSTEM MANAGEMENT

Remote software upload via web
Remote Control On-Screen Menu

DIRECTORY SERVICE

Local Directory
Corporate Directory
LDAP and H.350

* The above typical features are for example only. Contact DVE for a more detailed description of a particular codec feature list.

Digital Video Enterprises, inc.
19200 Von Karman Ave. Ste 400
Irvine, Ca 92612

800-243-5171 (US/Canada)
949-347-9166

Prices and Specifications Subject To Change Without Prior Notice