

Executive Telepresence System (ETS)



Bring the world to your office with True Telepresence in high definition! — (ETS)

For years executives from many industries and across the continents have relied on DVE to deliver the very best conferencing experience. DVE has always provided either HD or DVD quality video to its clients. Yet these systems require a massive amount of bandwidth and very expensive codec boxes (the device that compresses and decompresses video data). Now, thanks to the LifeSize Room™ codec bundled with DVE's patented technology, the same experience can be delivered at a fraction of the cost and at a fraction of the bandwidth. Now every person whose success relies on their communication skills can utilize the Executive Telepresence System. With an ingenious optically embedded HD camera hidden behind the eyes of the person on the screen, true telepresence is fully experienced. It is amazingly realistic and provides natural conversation with perfect eye contact.

You don't have to be an executive to use the Executive Telepresence System. The ETS was designed for you and your unique telepresence need. The ETS is extremely versatile and is utilized by doctors, lawyers, judges, Homeland Security personnel, educators, project teams, and many others in diverse fields. The patented Executive Telepresence System was created to enable the restructuring of organizations via True Telepresence technology and, thereby, increase productivity. The boundaries of office walls and corporate buildings are a thing of the past.



A Better Value than Old Time Videoconferencing

Web cameras, videophones, and traditional videoconferencing systems have a misplaced camera on top or below the display, so people appear to be looking away when they intend to make eye contact. This serious problem has plagued videoconferencing since its inception. The whole point of videoconferencing is to transmit non-verbal communication cues. Old time conferencing creates the false impression that



people are looking away and not eye-to-eye. Numerous psychological studies prove the absolute importance of eye contact ([see DVE's White Paper](#)). HD and DVE's eye contact technology combined in DVE's Executive Telepresence System overcomes all the issues of the past and is the most natural and realistic personal conferencing system ever developed. The experience is a leap beyond web cameras, videophones, and traditional conferencing set-tops. The Executive Telepresence System is so superb in creating a natural conversational

experience it is like being there in person. No compromises. That is why executives for years have insisted on DVE's technologies. Successful people know that eye contact is fundamental to communication and their success. Virtual teams in telepresence organizations collaborate as if they are in the same building, but are actually in every corner of the globe.

A Smarter Solution to Increase Your Productivity

While big room conferencing systems aim to improve productivity by linking corporate building to corporate building, the Executive Telepresence System is much more versatile. Big room conferencing systems have their valued place and they do cut travel costs and travel time. The ETS is a unique system when it comes to improving an organization's productivity. Using the ETS is not only "cheaper than flying", it is an essential organizational enablement tool that radically cuts the costs of doing business. The ETS enables virtual organizations where colleagues, peers and clients in their offices and home offices can converse anywhere in the world at a touch of a button. You will experience with the ETS real size images, perfect eye contact, and people appearing to be sitting on the other side of your desk. The ETS creates a virtual meeting environment as good as being there in person yet the organization can be geographically dispersed, more flexible, more agile and more competitive.

Executive Telepresence System™ (ETS)

Integrated System Components:

Executive Telepresence Display — Patented optically embedded camera behind the display image for perfect eye contact

High Definition LCD — Provides real size images of conference participants who appear to be sitting on the other side of your desk

High Definition Codec — LifeSize Room high definition video system

High Definition Camera — LifeSize Room pan/tilt/zoom camera

High Definition Audio Conference Phone — LifeSize Room conference phone and microphone for the video system



Benefits of High Definition Video from LifeSize

High Definition Video

Up to 1280 x 720 resolution and better quality at all bandwidths

High Definition Audio

Fully integrated super wide-band speaker-phone provides up to 22 kHz audio

Simple to Use

Intuitive interface and integrated directory make adding participants as simple as a phone call

Standards-Based

H.264 and H.263 for interoperability with multi-vendor systems

Fully Integrated System

Plug and play system with eye contact optical display, high definition codec, speaker-phone, camera and wireless remote

Complete Connectivity

Connect to IP networks up to 2.5Mbps and ISDN/PRI and BRI in conjunction with LifeSize Networker™ enhanced gateway

Embedded Multipoint

4-way multipoint built into the system for easy addition of participants for video or audio-only calls

Features of LifeSize Room

Communications

128Kbps – 2.5Mbps
IP calls: H.323
Integration to LifeSize Networker enhanced gateway for IP to ISDN H.320 connectivity
1 x RJ-45 Network LAN
1 x RJ-45 for LifeSize Networker
1 x RJ-11 for PSTN



High Definition Camera

LifeSize-designed high definition pan/tilt/zoom camera (patent pending)
Resolution: 1280 x 720, 30fps
Wide-angle zoom lens
70 degree field of view
Auto focus
Automatic gain control

Video Resolution

Widescreen 16:9 Modes
Widescreen FCIF (480x272 pixels) 128 Kbps
2xWidescreen FCIF (672x384 pixels) 384 Kbps
DVD Resolution (848x480 pixels) 512 Kbps
2xDVD Resolution (1024x576 pixels) 768 Kbps
High Definition (1280x720 pixels) 1 Mbps

Video Standards

H.264, H.263

Video Formats

16:9 High Definition aspect ratio

Video Inputs (6 Inputs)

1x High Definition Cameras
2 x S-Video
2 x RCA In
1 x VGA In

Video Outputs (4 Outputs)

2 x VGA/Component/S-Video/Composite
1 RCA Out
1 x S-Video

Fully Integrated, High Definition Audio Conference Phone

LifeSize-designed full featured conference phone doubles as the microphone for video system
16 microphones in a patent-pending Circular Microphone Array™ with beam forming for high directivity
100 Hz up to 22 kHz
H.323, SIP support
Stand alone phone option using VoIP or PSTN interface
No subwoofer required, no additional microphone pods required
2X the room coverage
Powered by video system

Audio Features

High Definition Audio
Full duplex for natural conversations
Echo cancellation for echo-free calls
Automatic gain control
Automatic noise reduction
Audio over ISDN

Audio Standards

G.711, G.722, G.722.1, G.729
MPEG-4 AAC

Audio Inputs (3 Inputs)

1 x RJ-45
1 x RCA line level in
1 x RCA line level input

Audio Outputs (2 Outputs)

1 x Main audio output (L+C+R)
1 x RCA output

User Interface & Features

High definition, context sensitive user interface
Wireless I/R remote
Connect participants from integrated speakerphone
Localized language support
Customizable front screen
Selectable camera icons & preview

Security

Flash-based
Web management tool
Admin password
SNMP security alerts
Ability to disable IP services, Web, Telnet and FTP

Intelligent Networking

Features

Auto H.323 dialing
When used with LifeSize Networker:
H.320 dialing
Auto SPID detect and downspeeding
Auto Number configuration
Auto gatekeeper discovery
Packet loss recovery

Directory and Address Book

Up to 1000 local directory entries
H.350 compliant
Hierarchical address book
Integrates with Microsoft Exchange™ for Microsoft Outlook™ end user scheduling when using LifeSize
Control management software

Embedded Multipoint Control Unit

4-port multipoint conferencing for video or audio
Seamlessly add participants
Integrated management with LifeSize
Control management software
Continuous presence support

System Management

Out of box setup via web interface and web management tool
SNMP
Call detail reporting
2x DB-9 RS-232 ports configurable as control

Environmental Data

Operating temperature:
0°C (32°F) to 40°C (104°F)
Operating humidity: 15% to 85%, non-condensing
Storage temperature:
-40°C (-40°F) to 70°C (158°F)
Storage humidity: 10% to 90%

Regulatory Model Number
Model: LifeSize Room = LFZ-001

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