

L65: 3D Mock up of customized fixed room telepresence solution

Lumina Telepresence L65

Connect with the ideas, the concerns and the approval of your colleagues and customers every day with life-like telepresence communication. The L65 is crafted for a fixed room telepresence suite transforming a medium to large boardroom into a collaborative space for presentations, meetings and teamwork.

Collaborative Telepresence

Extending this natural environment for communication, BrightCom's Visual Collaboration System 2.0 provides telepresence meeting administration, scheduling, firewall NAT traversal and a full suite of interactive data sharing functions. Alongside multiple data broadcasts, VCS can display up to 16 video displays with an unlimited amount of participants connecting from telepresence and video conferencing solutions around the world.

TELEPRESENCE SERIES

BrightCom's Lumina Telepresence series is the next step in telecommunication technology. Offering fully integrated HD video and data conferencing solutions, Lumina Telepresence delivers a complete immersive conference experience. With the natural feeling of face to face communication you can personally engage and collaborate with your teammates, customers, and colleagues around the world.

Natural Immersive Design

- Fixed telepresence suite for 2 to 12 people
- Multi-camera technology for natural eye contact
- Spatial audio to enrich the natural setting for conversation
- Telepresence environment kits for lighting and audio are available

Components

- Lumina Telepresence console supporting HD up to 1080p
- Three 65" LCD monitors
- Three HD cameras
- Spatial audio technology
- Built in touch screen displays for meeting control and administration

Features at a Glance

- Telepresence and web conferencing interoperable with BrightCom conferencing and other systems via SIP
- Capable of conducting multiple and simultaneous meetings
- Share and interact with any type of business data in native format
- Configurable real-time bandwidth options
- Intuitive, multi-panel display for video and data
- HD quality video & CD quality audio

*Requires Visual Collaboration System
No MCU Required*

Unit Contents:

L65: Lumina Telepresence (Codec) Console, three 65" HD LCD monitors, three HD cameras, spatial audio technology, speakers, cabling, fixed room suite, touch screen panel display for meeting control and administration, telepresence environment kits for lighting and audio

Audio Specifications

Spatial audio technology for immersive environment
 G.722 Compression
 CD-Quality
 Audio Mixer
 Wide Band and Ultra-Wide Band Acoustic Echo Cancellation
 Background noise reduction
 Audio/Video Synchronization
 Stereo speakers and microphone

Video Inputs

3 x RCA/Phono, composite
 3 x DVI
 3 x S-video

Video Outputs

3/DVI
 Optional HDMI Adapter

Video Specifications

HDTV up to 1080p @ 30fps
 Optional 720p, 576p, 576i, 480p, 480i (@30-fps) video resolution
 H.264 Compression
 User interface resolution: HD 1080p
 Picture-in-Picture (local video preview)

Bandwidth

1080p@60fps - 5.2 Mbps per stream
 1080p@30fps - 2.6 Mbps per stream
 720p@60fps - 2.5 Mbps per stream
 720p@30fps - 1 Mbps per stream
 Dynamically scalable bandwidth. Bandwidth adjust intuitively to fit system broadcast requirements.

Network Interfaces

1 x LAN/Ethernet (RJ-45) 10/100/1000
 Mbit for network connection

Connectivity

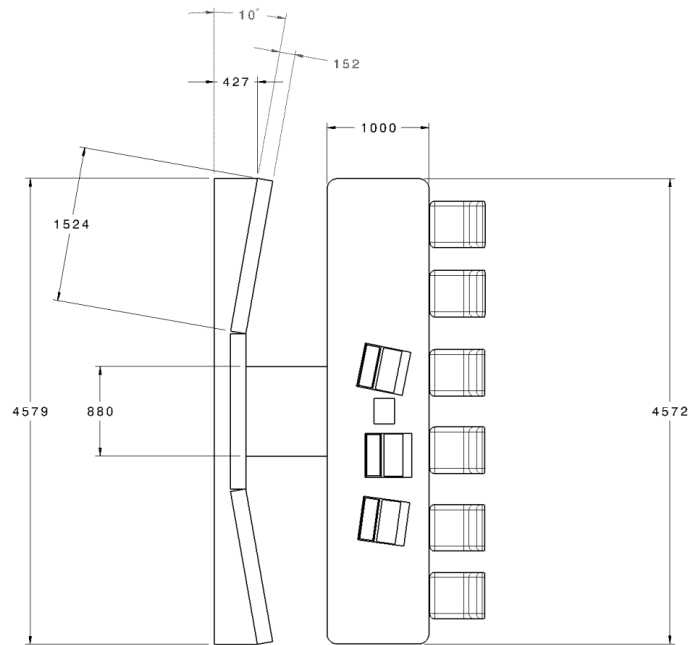
Static IP Address
 DHCP
 Firewall/NAT Traversal
 Proxy Traversal

Administration

Minimal local administration is done through the touch panel display user Interface
 Most administration may be performed through a web-based interface hosted by the BrightCom Visual Collaboration System

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L65: Birds-eye-view of L65. All dimensions in millimeters.

HD Camera

High Definition Resolution
 1080/59.94i
 Lens: f=3.4mm-33.9mm, F=1.8-2.1
 0.1 Lux
 10x Optical Zoom, 40x Digital Zoom
 Horizontal View Angle: 70°
 Minimum Object Distance: 100mm
 Video outputs: RCA, S-Video
 6 Presets
 Auto or manual focus/brightness/whitebalance

Multi-way Conferencing

Multi-way video conferencing with participants requiring no MCU
 Conduct multiple and simultaneous meetings
 Desktop as well as conference room participants may interconnect

User Interface

Touch panel display for meeting control and admin built into work desk
 User-friendly graphical interface
 Dialing/ Answering
 Multi-way conference calling
 Automatically populated address book no call/phone number setup required
 Awareness: remote user status, description, time, and time zone
 "Do Not Disturb" option
 Configuration options for IP Address and administration
 Single environment for Data and Video Conferencing
 Intuitive multi-screen management of video and data screens

Directory Integration for Desktop Users

LDAP
 Optional Integrated Directory

Security

AES encryption on all audio and video data
 SSH security protocol applied on all other forms of communication
 Administration password required

Firmware Updates

Updates applied on the Visual Collaboration System are automatically distributed to Lumina Telepresence (Codec) Consoles
 Benefits include: new features and performance upgrades

Supported Standards

H.264, G.722, VISCA, RTP(RFC 1889), RTSP (RFC 2326), Tunneler-RTSP (RFC 2326), SDP (RFC 2327), XML-RPC, AES, SSH, MD-5. HTTP, TCP, UDP, DHCP, SIP

Power

100-250VAC, 50-60Hz

Physical Dimensions

4579mm X 1427mm

Minimum Space Requirement

4579mm X 1427mm

Minimum Requirements

1 x Visual Collaboration System
 10Mbit IP Network Connection

Recommend Deployment

MPLS (or similar) enabled network for optimal bandwidth performance
 Adequate lighting for optimal camera performance

All specifications are subject to change without notice.
 Specifications may vary between model versions.
 Actual products may differ from images representing them in these documents.