



L37: Pictured without private enclosure

## Lumina Telepresence L37

Experience your office like never before with the Lumina Telepresence L37 fully immersive telepresence workstation. Connect your people, places and ideas in a multi-way, multi-camera, environment crafted to provide for the personal eye contact and interactive data collaboration critical for success. The L37 is crafted as a modular solution perfect for any office size or workspace.

## 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

- Immersive telepresence workstation for 2 to 6 people
- Multi-camera technology for natural eye contact
- Spatial audio to enrich the natural setting for conversation
- Private enclosure with acoustically tuned walls for external noise reduction and lighting options for various experiences

## Components

- Lumina Telepresence console supporting HD up to 1080p
- Three 37" LCD monitors
- Three HD cameras
- Spatial audio technology
- Collaborative desk, backdrop and private enclosure with built-in telepresence equipment

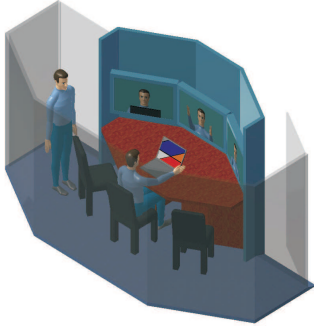
## Features at a Glance

- 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

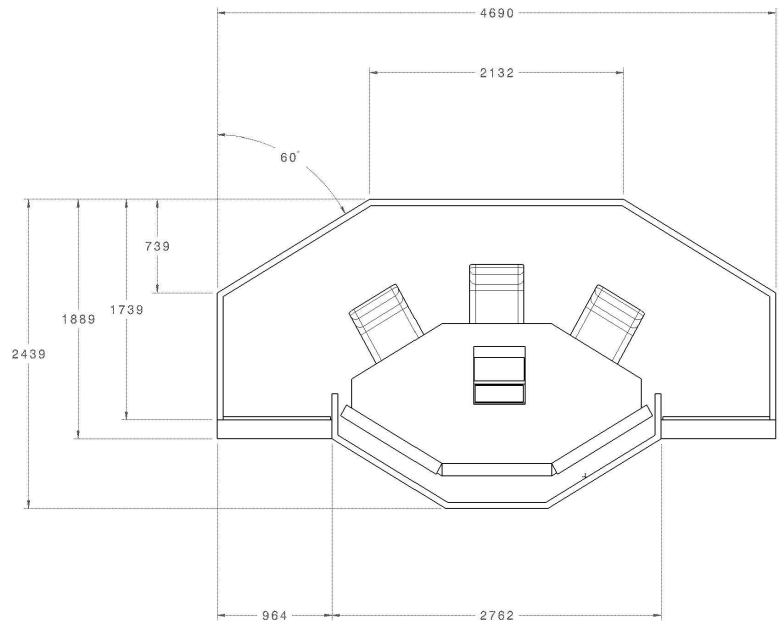
*Requires Visual Collaboration System  
No MCU Required*

# BrightCom™

## Lumina Telepresence L37



L37: 3-D mock up of L37 including immersive telepresence workstation comprised of desk, backdrop with integrated monitors, cameras and enclosure.



L37: Birds-eye-view of L37 with dimensions in millimeters.

### Unit Contents:

L37: Lumina Telepresence (Codec) Console, three 37" HD LCD monitors, three HD cameras, spatial audio technology, speakers, cabling, immersive workstation including desk with network and power ports, backdrop and private enclosure with acoustically tuned walls, 19" component rack mount in desk, touch screen panel display for meeting control and administration

### 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

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### 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

### 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

### 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

### Connectivity

Static IP Address  
DHCP  
Firewall/NAT Traversal  
Proxy Traversal

### Supported Standards

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

### Power

100-250 VAC, 50-60Hz

### Physical Dimensions

4690mm X 2439mm X 2032mm

### Minimum Space Requirement

4690mm X 2439mm

### Ceiling Height

2032mm to 2438mm

### 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.*