BrightCom™

ClearView Deskstop: HD USB camera with built-in H.264 video encoding, array microphone and echo cancellation system.

DESKTOP VIDEO CONFERENCING SERIES

BrightCom's Desktop Video Conferencing Solutions provide users the ability to broadcast high definition or standard video and audio within data conferences and/or point-to-point video conferences from the comfort of a private office, truly enhancing the collaborative conference environment.

ClearView Desktop HD

Built for the personal office, ClearView Desktop Video Conferencing delivers HD video conferencing with CD quality audio. Packaged with H.264 video encoding, ClearView Desktop frees your PC processing power for high quality performance. With a built-in array microphone and acoustic echo cancellation, desktop conferencing was never so easy to plug in and connect with anyone around the world.

Extending this natural environment for communication, BrightCom's Visual Collaboration System provides 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 number of participants connecting from telepresence and video conferencing solutions around the world.

Components
· BrightCom fixed, HD, USB 2.0 camera
· Built-in H.264 video encoding
· Built-in array microphone and acoustic echo cancellation

Features at a Glance
· Display up to 16 video broadcasts with an unlimited number of meeting participants
· Conduct multiple and simultaneous meetings
· Adaptable bandwidth options
· Intuitive, multi-panel display for video and data
· 720p HD quality video
· CD quality audio
· Hands free audio
· Flexible connectivity to Lumina Telepresence, ClearView Conferencing or SIP enabled conferencing systems

*Requires Visual Collaboration System Server
**No MCU required

BrightCom™
ClearView Desktop

Unit Contents:
CVCPC50HD: 720p HD resolution camera, H.264 video encoding, array microphone, acoustic echo cancellation, cabling

Audio Inputs
1 x integrated microphone

Audio Outputs
1 x integrated speaker
1 x stereo-mini main audio

Audio Specifications
CD-Quality
13 ft. audio throw distance
Acoustic echo cancellation
Background noise reduction

Video Specifications
CVPC50HD:720p high definition quality

Bandwidth
CVPC50HD: Dynamically scalable bandwidth up to 2Mbps

Camera
CVPC50HD:
HD Camera
USB 2.0
Built-in H.264 video encoding
Manual Focus
Support for Windows, Linux and Macintosh platforms

Multiway Conferencing
Up to 16-way conferencing without an MCU with BrightCom Visual Collaboration System
Conduct multiple and simultaneous meetings
Desktop may interconnect to BrightCom's Lumina Telepresence and ClearView Room and Moble Cart Video Confrencing or SIP enabled conferencing systems

User Interface
User-friendly remote controllable graphical interface
Dialing/Answering
Multi-way conference calling
Local and remote camera controls
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
Single environment of Data and Video Conferencing

Administration
Minimal local administration is done through the 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
SSL security protocol applied on all other forms of communication
Administration password required

Software Updates
Updates applied on the Visual Collaboration System are automatically distributed to desktop PCs
Benefits include: new features and performance upgrades

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

Recommended Requirements
1 x Visual Collaboration System
10Mbit IP Network Connection
1 serial port
Monitor Resolution: greater than 1024x768
2 Ghz processor
512 Mb RAM

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