

# Live Conferencing Record & Playback System



The Live Conferencing Record & Playback System can be installed on either a PC or a server, and is used alongside Keda's MCU and Endpoint series. It is capable of performing live recording of ongoing conferences in a digital format, of which the conference will be saved on the hard drive in an ASF file format. This provides an online demand service for Web based clients. On top of that, it also enables real-time stream forwarding, which will allow real time conferences to be live-broadcasted.

## • Live Streaming Conferences

When used alongside video conferencing systems, Live Conference can provide live streaming of conferences or training classes to the Internet. Any PC connected to the Internet can browse and view these real time conferences or classes.

## • Storage of Digital Video

Digital video and audio streams are sent directly from MCU to online web server, which prevent a loss of images and sound qualities from secondary en/decoding, all recorded files are saved in ASF format on the local hard disk. Hence, the bit rate, encoding format and resolution that are saved remain identical to their source.

## • Dual Video Stream Playback

The system supports standard H.239 dual stream recording by simultaneously recording both the main video stream and secondary video stream. It also supports dual video stream playback synchronization. Whether be it live streaming or on-demand, users can browse the main, auxiliary video images on the same timeline to fully fulfill the needs of the conference or training seminar.

## • Flexible Playback

Recorded files can be played by using different software, either with Keda's Playback software or with Windows Media Player. During playback, the user is also able to carry out various playback functions such as pause, stop, forward, rewind and slow etc.

## Specifications

### Conference live broadcasting

Simultaneous live streams of up to 5 conferences  
Adding live broadcasts, query, statistics, authorization management  
Defining program title, type and description  
Supporting dual streaming  
Recording and playback simultaneously

### Conference on Demand and Downloading

Saved conference source can be used as VOD source, or other source files can also be manually added  
Adding video-on-demand / downloadable programs, query, statistics, authorization management  
Defining program title, type and description  
Supporting dual stream VOD  
Supporting download of documents to local PC for viewing

### System allocation

Supports deployment of secondary cascade  
Supports for single-server deployment of multi-access network segment

### User management

3 Categories of users - Super Administrator, Administrator and General Users Account / password authentication  
Supports classification of user ID, password, user group

### Client User

By using Web browser, log in server, browse and select programs  
Supporting Microsoft Windows Media Player as a client player, can view single / dual streams  
By using Live Conference Player, one can have a fixed window to play a single or dual video stream  
Live Conference Player supports window switch and zooming  
Live Conference Player supports playback / pause / fast forward / rewind / drag-and-drop features

### Standards

Video Standard: H.263, H.263+, H.264  
Audio Standard: G.711, G.722.1 Annex C/Polycom® Siren14TM, G.728

### Video Specifications

Bit Rate: 64K~4Mbps  
Frame Rate: 1 - 30 frames/sec  
Resolution Type: CIF、4CIF、VGA、SVGA、XGA

### File Storage

File saved in ASF format  
File size is determined by bit rate, video frame rate and other parameters

### System Environment

Minimum Requirements:  
CPU: Intel Core 2 Duo, 1.8Ghz Memory: 2GB  
HDD: 80GB NIC: 10/100/1000Mbps  
Operating System: Windows 2003 Server Enterprise