

New Network recording and streaming server-CH50

Design for H.323/SIP video conference system record and stream

Reach CH50 is a product specialized to meet the recording and streaming requirement for the video conference industry, and can be used for live streaming, Video on Demand, remote management, file management and other functions.

It supports all MCU and codec products with standard H.323 and SIP protocol, such as Poly, Cisco, Avaya, Huawei, AVer etc

Sub-model :

CH50: Record 5 concurrent video conference session

CH100: Record 10 concurrent video conference session

CH500: Record 20 concurrent video conference session

CH600: Record 30 concurrent video conference session

REC

- . Recording
- . Live Streaming

 Record and share your meetings within a few clicks

 Available from your computer, your smartphone, your tablet or your meeting room

 Videos of your meetings are available and stored in the cloud

 Live Streaming: Share your videoconferences



We can work with video conference brands as follow :





Key features

- *Single point, Point-to-Point (P2P), multi-point real-time recording, live streaming and VoD*
- *Supports up to 30 group video conference 1080p@60 recordings, 20 HD live streams, and 500 Web viewers*
- *Standard MP4 recording for playback on mainstream players*
- *Support multiple sessions recording simultaneously.*
- *In default, it can support 5 sessions, and can be up to 30 sessions recording simultaneously.*

- *Good Compatibility: Supports all MCUs and terminal products of standard H.323 and SIP protocol.*
- *Mobile WEB play based on HTML5 - no plug-ins required*
- *HD and Standard Definition (SD) streaming for PCs, mobile phones, or tablets*
- *Live streaming and VoD playback at the video conferencing endpoint*

- *Three-level backup with hard disk, power, and codec chip*
- *RAID1 function to ensure reliability of recorded files*
- *Dump, export, and upload recorded files through IP SAN and NAS to back up data and enhance data security*
- *Storage: Storage 2TB in default, up to 20TB.*
- *Flexible Recording Management: Supports recording from VCR webpage, and from MCU and terminal by calling VCR.*
- *Once a connection is established, it will start recording task automatically.*

Recording and streaming ability

- *Concurrent recording capability: 30 × 1080p60/1080p30/720p60/720p30 recordings (Dual stream)*
- *Maximum concurrent live streaming capability: 10 × 720p30 / 5 × 1080p30 / 2 × 1080p60 live streams 20 × 720p30 / 10 × 1080p30 / 5 × 1080p60 live streams*
- *Maximum concurrent VoD/live viewing capability: 512 viewers @ 1 Mbps; 256 viewers @ 2 Mbps*
- *Storage capacity*
 - 2T, 720p single-stream recording of up to 2000 hours or 720p dual stream recording of up to 1000 hours*
 - 4T, 720p single-stream recording of up to 4000 hours or 720p dual-stream recording of up to 2000 hours*
 - 2T, 720p single-stream recording of up to 2000 hours or 720p dual-stream recording of up to 1000 hours*

Technical detail

- 1. IP based recording and streaming, record video conference session's digital stream on real-time*
- 2. H.323V4, SIP, H.225, H.245, H.239, HTTP, RTP, RTCP, RTSP Communication protocol*
- 3. G.711, G.728, G.723.1, G.729, G.722, G.722.1 audio codec protocol*
- 4. H.261, H.263, H.263 +, H.263 + +, H.264 video codec protocol*
- 5. QCIF, CIF, 4CIF, VGA, SVGA, 720P, 1080P and other video recording formats,*
- 6. Simultaneous recording of 30 video conference session (Maximum)*
- 7. Record H.239 Dual Image*
- 8. Point to point video conference recording*
- 9. Multipoint video conference recording via capture the stream from MCU*
- 10. Support the conference live streaming and published immediately without longtime for transcoding.*
- 11. Mp4 format file storage, can be playback by MediaPlayer, VLC, QuickTime and other general player*
- 12. Automatically recording connection with the MCU*
- 13. Live stream via IE Browser, support 200 concurrent live-stream*
- 14. Can be called by video conference endpoint via H.323 protocol to achieve live streaming*
- 15. Recorded files can be upload to the specified FTP server automatically or manually*
- 16. User authentication, authorization and hierarchical management of VOD file*
- 17. Webpage management*
- 18. More than 2000 hours HD video recording with 4TB hard-disk*
- 19. Support RAID1*
- 20. Support FTP, Samba, NAS, iSCSI external network storage*
- 21. Auto backup recording file to FTP server*
- 22. MTBF> 120,000 hours, 7 × 24 continuous operation*