Cisco TelePresence Recording Server

The Cisco TelePresence® Recording Server (Recording Server) transforms Cisco TelePresence rooms into high-definition (HD) recording studios. Using an intuitive user interface, you can create high-quality video to deliver rich, immersive messages immediately for internal and external communications such as training or crisis management. Distributing and viewing video content is easy, and you can replay recordings on Cisco TelePresence endpoints or on the web on standard browser-based players. Event recording is now supported with Release 1.8, which allows you to record multisite events using new director controls in the Cisco TelePresence Multipoint Switch (Multipoint Switch).

The recording capability creates a new category of experience for Cisco TelePresence technology that takes the solution well beyond meetings. Studio-mode operation provides onscreen prompting and visual aids that make the recording experience comfortable and easy-to-use. Recorded content is ready for immediate playback, allowing you to review the recorded session upon completion and then distribute that content to the appropriate parties.

This innovative HD studio recording and distribution capability demonstrates the power of the underlying network, using network services such as built-in security, integration with call control, mobility, and Web 2.0 applications. It also showcases the power of high-quality video applications as flexibly as data or voice.

Applications

Enterprises will benefit from the ability of Cisco TelePresence Recording Server to use existing Cisco TelePresence rooms as high-quality recording studios. Because Cisco TelePresence systems include the superior lighting, high-quality microphones, and HD 1080p cameras all packaged in a comfortable setting, you can create quality video recordings for any number of video-on-demand (VoD) applications such as training, product launches, executive messaging, and corporate communications.

And because of the easy-to-use, intuitive IP phone interface used to create and distribute HD videos at the touch of a button, you need no training to take advantage of the new Cisco TelePresence Recording Server Studio features. As more enterprises look to video as the perfect medium for both real-time and non-real-time communications, extending the use of Cisco TelePresence technology beyond just meetings creates tremendous productivity opportunities and extends the utility of a Cisco TelePresence deployment.

Features and Benefits

The Cisco TelePresence Recording Server offers the following features and benefits:

- High-definition recording: Videos are recorded in H.264 1080p high definition for playback on any Cisco TelePresence system. You can immediately view recorded content or share recorded content with other users of Cisco TelePresence endpoints.
- Standard-definition (SD) recording: Videos are simultaneously recorded in standard definition for playback on standard browser-based video players such as Adobe Flash or Apple QuickTime.

- Event recording: Recording Server records multisite events and conferences hosted on the Cisco TelePresence Multipoint Switch. Recordings are controlled by the Cisco TelePresence Multipoint Switch Director Control User Interface and can be published just like any other recording.
- Auto-collaboration support: You can record videos with full data presentations using the Cisco TelePresence Auto Collaborate channel to capture the PC presentation as a separate video stream. You can then play this stream back in concert with the HD video and audio to provide a fully synchronized presentation that is viewable with standard PC browser-based viewers.
- Easy-to-use controls: All user controls for the Cisco TelePresence Recording Server are incorporated into the Cisco® IP Phone interface. You can start, stop, pause, and play back recordings as well as sharing them through email messages.
- Onscreen prompting: You are prompted on screen during the recording session with features such as self-view and data presentation displayed on the main monitor, allowing you to maintain eye contact with your virtual audience.
- Public and private recordings: Videos can be public or private. For private recordings you must enter a security personal identification number (PIN), similar to voicemail, in order to create and view these recordings. You can share private recordings with other people, who would also be required to authenticate themselves before accessing the recording.
- Multi-resolution recording
- Synchronized data recording
- Security

Product Specifications

Table 1 lists the specifications of Cisco TelePresence Recording Server.

Table 1.   Specifications of Cisco TelePresence Recording Server

Specification	Description
Product compatibility	Cisco TelePresence Version 1.5.1 or later
Software compatibility	Cisco TelePresence System Software Version 1.5.1 or later
Call signaling	Session Initiation Protocol (SIP) trunk with Cisco® Unified Communications Manager Version 7.0 or later and IP Version 4 (IPv4)
Media protocols	Real-Time Control Protocol (RTCP) and Real-Time Transport Protocol (RTP), User Datagram Protocol (UDP), and IP Unicast
Video protocols	H.264 (MPEG 4 Part 10)
Audio protocols	AAC-LD, AAC-LC, G.711, and G,722
Video resolution	CIF, 720p, and 1080p
Session capacity	Up to 24 simultaneous 1080p recording or playback sessions
Storage capacity	Up to 300 hours of 1080p and CIF recordings
Streaming video	Support for HTTP streaming of recorded content using Adobe Flash
Security features	• Integration with Microsoft Active Directory through Lightweight Directory Access Protocol (LDAP) for access • Secure management through Secure HTTP (HTTPS) • Password-protected conferences

System Hardware Specifications

Two hardware platforms are supported with this application:

- Cisco MCS 7845 Media Convergence Server
- Cisco UCS™ C210 M2 Server, part of the Cisco Unified Computing System™ portfolio, with VMware ESXi 4.1

The Cisco MCS 7845 and Cisco UCS C210 are both high-availability server platforms. They constitute an integral part of a complete, scalable architecture for a new generation of high-quality IP voice solutions that run on enterprise data networks. Delivering the high performance and availability demanded by today's enterprise networks, the Cisco MCS and Cisco UCS are innovative, easy-to-deploy, and highly cost-effective solutions. At only 2 rack units (2RUs) high, the servers pack tremendous power in a low-profile chassis. They are used in a variety of Cisco Unified Communications applications. Table 2 lists the hardware specifications of the Cisco TelePresence Recording Server.

Table 2.   System Hardware Specifications

Specification	Description
Hardware	- Cisco MCS 7845 (Cisco MCS 7845-I3) quad-core-processor server or - Cisco UCS C210 M model with VMware ESXi 4.1
Connectivity	Dual 1-Gigabit Ethernet network interfaces
Power	100 to 132 VAC (10A) and 200 to 240 VAC (6.1A); 50 to 60 Hz

Ordering Information

To place an order, visit the Cisco Ordering Home Page and refer to Table 3.

Please note that the top-level part number for this product has recently changed; choose the server first.

Table 3.   Ordering Information

Product Name	Part Number
One Cisco Computing Server or Media Convergence Server is required per Cisco TelePresence Recording Server	
UCS C210 for Cisco TelePresence Recording Server (Order as spare)	UCS-C210M2-VCD2
VMware ESXi/Vsphere Standard for 1 processor, 1 year support (ESXi 4.1 required for UCS, purchase from Cisco or VMware directly. Version 5 purchased on download/registration choose 4.1 option)	VMW-VS5-STD-1A
Cisco TelePresence Recording Software only for UCS install	CTS-CTRS-K9
MCS-7845-I3 for Cisco TelePresence Recording Server (Choose First)	MCS7845-I3-CTRS-K9
Choose Power Cord Type	
AC Power Cord (North America), C13, NEMA 5-15P, 2.1m	CAB-AC
AC Power Cord (China/Australia), C13, AS 3112, 2.5m	CAB-ACA
AC Power Cord (Europe), C13, CEE 7, 1.5M	CAB-ACE
AC Power Cord (Italy), C13, CEI 23-16, 2.5m	CAB-ACI
AC Power Cord (Argentina), C13, EL 219 (IRAM 2073), 2.5m	CAB-ACR
AC Power Cord (Switzerland), C13, IEC 60884-1, 2.5m	CAB-ACS
AC Power Cord (UK), C13, BS 1363, 2.5m	CAB-ACU
AC Power Cord (Japan), C13, JIS C 8303, 2.5m	CAB-JPN

Product Name	Part Number
Then Choose TelePresence Recording Server Version	
Cisco TelePresence Recording Server version 1.8	LIC-CTS-CTRS-1.8

Cisco Services

Critical to delivering the innovative Cisco TelePresence experience are integrated lifecycle services delivered by Cisco and our certified partners. Designed specifically for multisite organizations, these services accelerate a successful deployment and deliver a high-quality, reliable, "in-person" Cisco TelePresence experience.

Initial Prepare, Plan, and Design services prepare your network and organization to deliver the expected consistent quality level of Cisco TelePresence experience. Operate services provide continued telepresence experience in addition to peace of mind for your IT staff by increasing availability with critical day-2 maintenance support, remote monitoring and management, and remote assistance service. These services use a proven lifecycle services approach to deliver on a Cisco TelePresence experience.

For More Information

For more information about the Cisco TelePresence Recording Server, please visit
http://www.cisco.com/go/telepresence or contact your local Cisco account representative or authorized Cisco partner.

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