



Cisco TelePresence

Cisco on Cisco Technology Seminar



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Agenda

TelePresence Technology Overview

Design Solution for Cisco

Architecture
Network

Deploy Solution

Readiness
Deployment
Experience (RRA, CTX)

Support and Management

Support Engineering
Metrics
Entitlement



TelePresence

Cisco TelePresence Is an Innovative, New Technology That Creates Unique, In-Person Experiences Between People, Places, and Events in Their Work and Personal Lives—over the Network



Greater Productivity

Faster Decision Making and Improved Time to Market

Improved Responsiveness

Improved Communication and Collaboration with Co-Workers, Partners, and Customers

TelePresence Technology Overview

Audio/Visual Technology

- Telepresence systems incorporate the most up-to-date standards and technologies to offer the best audio and visual results:
- H.264 video codecs to offer the highest quality at lowest bit rate
- Session Initiation Protocol (SIP)
- Native 720p and 1080p high-definition cameras
- Native 720p and 1080p high-definition encoding/decoding
- Low-latency architecture and low bandwidth utilization
- Wideband advanced audio coding with low delay (AAC LD)
- Multichannel spatial audio with echo cancellation and interference filters to eliminate feedback from mobile devices
- Optimized environmental conditioning to provide the best audio and video and overall user experience

TelePresence Technology Overview

Network

- Uses the standard IP technology deployed in corporations today
- Runs on an integrated voice/video/data network
- Such systems support high-quality, real-time voice and video communications with branch offices using broadband connections
- They also offer capabilities for ensuring quality of service (QoS), security, reliability, and high availability for high-bandwidth applications such as Hi-def video

TelePresence Technology Overview

Hardware-Optimized Environment

- These systems include purpose-built office furniture, which incorporate cameras and displays, lighting, speakers, microphones, and projection capability into a specially designed table for larger rooms
- Also in smaller configurations, with existing office furniture

TelePresence Technology Overview

Software Applications

- Standards based TelePresence applications accommodate converged voice and video transmissions, such as:
 - IP telephony: Works with IP-based phones and call-processing systems from the major networking and telecommunications vendors. Simplifies call launching using a Telephone instead of myriads of remote controls
 - Groupware: Integration with enterprise groupware solutions (such as Microsoft Outlook and Lotus Notes) accommodates easy scheduling of meetings and access to corporate information
 - Services: They should enable easy scheduling, management, reporting, billing, and metrics applications to ensure proper tracking and bill-back of activity on the system, as well as real-time support services

TelePresence Technology Overview

CTS3000



It's All About
the Experience

- Every participant at table, life-size in high definition (1080p)
- Audio from person speaking
- Speak normal voice level

TelePresence Technology Overview

CTS1000



Simplicity

Technology Invisible to the User with **No Training**

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