Cisco TelePresence System 1100

The Cisco TelePresence™ portfolio creates an immersive, face-to-face experience over the network—empowering you to collaborate with others like never before.

Through a powerful combination of technologies and design that allows you and remote participants to feel as if you are all in the same room, the Cisco TelePresence portfolio has the potential to provide great productivity benefits and transform your business. Many organizations are already using it to control costs, make decisions faster, improve customer intimacy, scale scarce resources, and speed products to market.

The Cisco TelePresence portfolio comprises a complete family of endpoints to meet many types of meeting needs:

- The Cisco TelePresence System 500 is designed for 1 or 2 users, bringing the Cisco TelePresence virtual in-person experience directly into the private office.
- The Cisco TelePresence System 1000 is for small group meetings and one-on-one conversations.
- The Cisco TelePresence System 1100 is designed for small group meetings and one-on-one conversations in multipurpose conference rooms.
- The Cisco TelePresence System 1300 Series is designed for group meetings in multipurpose conference rooms.
- The Cisco TelePresence System 3010/3000 is for business meetings with up to 6 participants per room.
- The Cisco TelePresence System 3210/3200 is for large group meetings of up to 18 participants per room.

These endpoints work with the complete Cisco TelePresence portfolio for easy call scheduling and setup; scalable, zero-latency multipoint calls; secure intercompany communications; and a host of compelling collaboration applications that scale a variety of meeting types, high-definition (HD) broadcasting, and industrial applications.

This data sheet discusses the Cisco TelePresence System 1100 (Figure 1).

Figure 1.   Cisco TelePresence System 1100

Product Overview

Cisco TelePresence combines life-size, true high-definition video (1080p), CD-quality audio, a specially designed environment, and interactive elements to create the feeling of being "in person" with participants in remote locations. This simple, easy-to-use solution allows you and other participants to focus on the meeting, not the technology, and communicate naturally and effectively.

The Cisco TelePresence in-person experience gives you the potential to transform your business by getting closer to customers, suppliers, and partners, improving communications between remote groups or individuals, and gaining time-to-market advantages. These benefits span all industries, and all sizes of organizations.

The Cisco TelePresence System 1100 accommodates seating for 1 or 2 participants on each side around a virtual table and supports up to 48 locations in a multipoint meeting. Integrated equipment for optimized user experience includes one 65-inch plasma screen, a speaker and microphone with echo cancellation, lighting, and an ultra-high-definition codec and camera that are specially tuned to small groups. Incorporating built-in support for audio conferencing, the Cisco Digital Media Player, and a rich media display, the Cisco TelePresence System 1100 is meeting-ready, enhancing your meeting room experience.

Applications

The Cisco TelePresence System 1100 is suitable for direct customer engagements, small presentations, and one-on-one meetings with remote employees or partners, or for joining larger Cisco TelePresence multipoint meetings. The system is versatile—you can effortlessly move from Cisco TelePresence meetings to audio conferences and use the screen to share data and rich media.

The ease of use and integrated, optimized features make it easy to schedule and launch meetings, recordings, and other solutions like Cisco TelePresence Expert on Demand, Cisco TelePresence Interoperability, or HealthPresence by just pushing a button. Integration with the highly available Cisco network offers reliability, quality of service (QoS), and security, giving you the confidence to use it for both intra- and intercompany meetings.

Features and Benefits

In addition, the Cisco TelePresence System 1100 integrates seamlessly with the rest of the Cisco TelePresence portfolio to offer the same high-quality Cisco TelePresence experience, including:

- High-quality video at 720p and 1080p resolutions.
- Specially designed, high-definition cameras provide high-quality, high-definition images, with excellent eye contact and no user operation required.
- Full-duplex, CD-quality audio for rich audio experience with no perceivable latency and no interference from mobile devices or cell phones.
- Optimized lighting and audio quality.
- Multipoint meetings with up to 48 locations in any combination of Cisco TelePresence endpoints.
- Integration with common enterprise calendaring programs for easy and automated call start and controls— you just push a button.
- Ad hoc meetings allows you to meet "in person" anywhere there is a Cisco TelePresence endpoint at a moment's notice—with just a phone call.
- Integration with the network helps ensure reliability with high availability, security, and QoS for an optimal experience. Highly secure communications are enabled through encryption of both video and call signaling.
- Any-to-any interoperability with standard- and high-definition video conferencing endpoints and collaboration with desktop video applications, such as Cisco WebEx™ meeting applications and the Cisco Digital Media System.
- Secure and reliable intercompany and intracompany calling between your organization and any other, including with public Cisco TelePresence suites.

In addition to the overall benefits of the Cisco TelePresence design, the Cisco TelePresence System 1100 offers the innovative features and benefits listed in Table 1.

Table 1.   Features and Benefits of Cisco TelePresence System 1100

Feature	Benefits
Optimized for two participants in a multipurpose conference room	• Delivers a sophisticated design for small conference rooms with little or no room remediation or construction costs • Offers a life-size, immersive experience with a 65-inch display • Allows you to retain the multipurpose function of your conference rooms when not using the system
Meeting readiness with built-in audio-visual functions	• Allows you to start meetings quickly with a single Cisco IP Phone and data cable to plug into, whether it is a Cisco TelePresence meeting, audio-only meeting, or local meeting with a presentation • Supports audio conferencing**, local data presentation, and Cisco Digital Media Player • Allows you to use the system as a productivity tool even when not involved in Cisco TelePresence calls
Excellent audio and video quality	• Offers ability to project the Cisco TelePresence experience to any endpoint for large multipoint calls, intimate one-to-one meetings, or high-definition video recording • Delivers the same quality virtual in-room experience as the rest of the Cisco TelePresence endpoint portfolio
Connection for auxiliary graphics display*	• Allows you to show the data or graphics content on a separate auxiliary display or in presentation-in-picture mode. • Can be used as a presentation monitor when not in a Cisco TelePresence call

* Cisco does not provide graphics displays or mounts. Contact your Cisco TelePresence partner for data display options.
** Audio add-in is supported. Full table microphone coverage will be supported in a future release.

Table 2 lists the overall features and benefits of the Cisco TelePresence portfolio.

Table 2.   Cisco TelePresence Portfolio Features and Benefits

Feature	Description
Any-to-any interoperability support	Cisco TelePresence systems can interoperate with standards-based H.323 video conferencing systems and other high-definition endpoints. In addition to protecting existing investments, interoperability dramatically expands the number of

	video conferencing endpoints that can communicate with a Cisco TelePresence system.
Audio codec support	G.711 and advanced audio coding with low delay (AAC-LD) audio compression codecs are available.
Cisco TelePresence Auto Collaborate	This Cisco innovation allows people in all rooms to instantly see and share information or objects with others by simply plugging in a device such as a laptop computer or the integrated optional high-definition document camera. An optional presentation codec is dedicated to the data channel to provide full-motion (30 fps) graphics and multimedia content on the Cisco TelePresence Auto Collaborate data channel.
Cisco TelePresence Event Controls	Through a web interface, event managers can control the flow of an event produced with a Cisco TelePresence system—providing a cost-effective way to reach wide audiences with spectacular and compelling results.
Cisco TelePresence Expert on Demand support	You can integrate Cisco TelePresence systems with Cisco Unified Communications and Cisco Unified Contact Center to deliver high-touch customer service and point-of-sale services.
Cisco TelePresence Extended Reach	An optimized 720p Cisco TelePresence mode provides wide-area bandwidth connections as low as 1.5-Mbps (T1/E1) speeds. The system maintains latency and packet loss while providing constrained bandwidth options for remote-office or telecommuter deployments.
Cisco TelePresence Recording Studio	Cisco TelePresence Recording Studio transforms Cisco TelePresence units into high-definition recording studios. Using an intuitive user interface on your existing Cisco TelePresence IP Phone, you can record high-quality video to deliver rich, immersive messages for internal and external communications, training, crisis management, etc. Viewing and distributing video content is easy; you can replay recordings on Cisco TelePresence endpoints or on standard browser-based players.
Cisco TelePresence WebEx Engage	Cisco TelePresence WebEx Engage extends Cisco TelePresence meetings to Cisco WebEx users. This solution offers unified scheduling and, one-button-to-push meeting start, and it combines audio and data sharing capabilities. Remote attendees join through the Cisco WebEx Meeting Center and receive video from the Cisco TelePresence system. This integration improves user experience, making meetings easier and more productive.
Configuration options	You can statically configure IP address assignment or configure it through the Cisco TelePresence administrator web interface.
Dialing buttons	These buttons allow for convenient manual or address-book dialing.
Directories	Integration into the Cisco Unified Communications Manager general directory service provides a search function for thousands of directory entries.
Document camera controls	Software controls for the optional document camera have been incorporated into the Cisco TelePresence user interface on the Cisco IP Phone, providing for a more tightly integrated solution and more natural user controls. (This feature requires Cisco TelePresence Software Version 1.2 or later.)
Encryption	The Cisco TelePresence system supports full media and signaling encryption with no discernable latency to the Cisco TelePresence call for up to 48 segments. In addition, Cisco TelePresence meetings can be designated as nonsecure, secure best effort, and always secure. Meeting encryption status is indicated on-screen at the start of a call or when it changes, and on the phone at all times.
Gigabit Ethernet switch	The internal Cisco Gigabit Ethernet switch allows for a direct connection to a 10/100/1000BASE-T Ethernet network through an RJ-45 interface with single LAN connectivity for both the Cisco TelePresence system and a co-located Cisco Unified IP Phone 7975G and Ethernet-attached PC. The system administrator can designate separate VLANs (802.1Q) for the PC and Cisco IP Phones, providing improved security and reliability of voice and data traffic.
Multipoint support	Cisco TelePresence systems can participate in multipoint meetings by using the Cisco TelePresence Multipoint Switch.
Mute and hold	The Cisco TelePresence system supports mute and hold functions. The mute feature has an on-screen mute indicator to alert participants that the mute feature was activated on the Cisco TelePresence microphone, causing all microphones to be simultaneously muted in remote rooms. The Hold/Resume button toggles the video and audio mute features and allows you to place Cisco TelePresence systems on hold for privacy.
Network-adaptive bandwidth usage	The solution supports 720p or 1080p resolutions with three quality levels to optimize network bandwidth consumption. The Cisco TelePresence system can operate at several different bandwidth levels ranging from 2 to 5 Mbps for configurable, variable bandwidth consumption, maximizing the Cisco TelePresence experience while preserving frame rate and low latency, and reducing packet loss. The solution is supported by all existing install, deployment, and operation services.
Power over Ethernet (PoE) power for high-definition cameras and Cisco Unified IP Phone 7975G	The Cisco high-definition cameras and Cisco Unified IP Phone 7975G receive power down the LAN from the Cisco IEEE 803.3af PoE switch incorporated into the Cisco TelePresence codec.
Settings	The web-based interface allows administrators to securely log in to the system to make configuration changes to the Cisco TelePresence systems.
Signaling protocol support	The Cisco TelePresence system supports Session Initiation Protocol (SIP) on Cisco Unified Communications Manager.
Speed dial	The Cisco TelePresence system allows up to 40 favorites entries for convenient speed dialing.
System lighting	The solution includes an integrated lighting assembly to eliminate facial shadows and provide natural-looking video without harsh studio lighting or makeup. You can configure the integrated lighting assembly of the Cisco TelePresence system to turn on or off with a Cisco TelePresence call or with normal working hours. This feature reduces power consumption and provides a "greener"

	overall solution. (It requires Cisco TelePresence Software Version 1.4 or later.)
U.S. Section 508 features	The dial pad on the Cisco Unified IP Phone 7975G conforms to U.S. Section 508 guidelines. The 5-key dial pad has a raised nib that provides a tactilely discernible home key. To access more accessibility features, you can obtain the U.S. 508 Voluntary Product Accessibility Template (VPAT) at the following URL: http://www.cisco.com/go/accessibility.
Volume control	The convenient Volume Control button on the phone softkey menu provides for easy volume adjustments.

Product Specifications

Tables 3 through 5 list specifications for the Cisco TelePresence System 1100, and Table 6 gives temperature ratings.

Table 3. Product Specifications

Specification	Description
Product compatibility*	• Cisco TelePresence System 500 with Cisco TelePresence System Software 1.5 or later • Cisco TelePresence System 1000 with Cisco TelePresence System Software Version 1.5 or later • Cisco TelePresence System 1300 with Cisco TelePresence System Software Version 1.5 or later • Cisco TelePresence System 3000 with Cisco TelePresence System Software Version 1.5 or later • Cisco TelePresence System 3010 with Cisco TelePresence System Software Version 1.6 or later • Cisco TelePresence System 3200 with Cisco TelePresence System Software Version 1.5 or later • Cisco TelePresence System 3210 with Cisco TelePresence System Software Version 1.6 or later • Cisco Unified Communications Manager 6.1 or 7.0 or later • Cisco TelePresence Multipoint Switch 1.5 or later • Cisco TelePresence Manager 1.5 or later
Software compatibility*	Cisco TelePresence System Software Version 1.5 or later
Protocols	Cisco Discovery Protocol, SIP, IP, Dynamic Host Configuration Protocol (DHCP), Secure Shell (SSH) Protocol, 802.1p/q, and Real-Time Transport Protocol (RTP)
Connectivity	Ethernet (1 LAN, RJ-45 connection:- 100/1000m), internal 4-port Ethernet switch, and high-definition video connector
Programming interfaces	Web-based user interface; IP address assignment can be statically configured or configured through the Cisco TelePresence administrator web interface
Physical dimensions (H x W x D)	Wall-mounted: 77.4 x 80 x 7.5 in. (196.7 x 203.2 x 19.1 cm)
Weight	826 lb (275 kg) (freight weight)
Power	Cisco TelePresence system (typical): 986W (8.3A @ 120V)

Table 4. Video and Audio Specifications

Specification	Description
Bandwidth consumption	Recommended for IP QoS connections: 3 to 4 Mbps (1080p) or 1 to 3 Mbps (720p) Note: The bandwidth recommendations for the Cisco TelePresence System 1300 are identical to those for the Cisco TelePresence System 1000.
Video standards	H.264
Video frame rate	30 frames per second using H.264
Data and graphics frame rate	• Graphics sharing at 5 frames per second (standard configuration) • Optional graphics sharing at 30 frames per second using a dedicated presentation codec
Native National Television Standards Committee (NTSC)	720p and 1080p
Resolution	1920 x 1080 native
Audio standards	G.711 and AAC-LD (22 kHz)
Audio features	Cisco Dynamic Echo Cancellation
Cisco TelePresence high-definition camera	• Complementary Metal Oxide Semiconductor (CMOS) 2/3-inch sensor • C-mount lens • 1080p 30 fps • Minimum illumination 300 lux • Manual focus

H.264 interoperability	Using Common Intermediate Format (CIF) and G.711 with Cisco Unified Video conferencing 3500 Series platforms

Table 5.   Additional Specifications

Specification	Description
Firmware upgrades	Downloadable from Cisco Unified Communications Manager
Video network features	Intelligent packet loss recovery of video transmission
Network interface	• 1 LAN or Ethernet (RJ-45); 100/1000 Mbps • Internal 4-port Ethernet switch with 2 PoE (IEEE 802.3af) ports on codec

Table 6.   Temperature Ratings

Temperature	Description
Office operating temperature	41 to 95ºF (5 to 35ºC)
Relative humidity	10 to 95% (noncondensing)
Regulatory Compliance	• CE marking • UL/CSA/IEC/EN/AS/NZS/60950 • 47CFR Part 15 Class A • CISPR22/EN55022 Class A

Ordering Information

To place an order, visit the Cisco Ordering Home Page and refer to Table 7.

Table 7.   Ordering Information

Product Name	Part Number
Cisco TelePresence System 1100	CTS-1100
Ordering Options for the Cisco TelePresence System 1100	
Power cords	Select the appropriate power cord pair option to plug into the wall outlets in the country where the Cisco TelePresence system will be deployed.
Presentation codec	CTS-HFR-COLLAB This chargeable option adds a dedicated presentation codec to enable high-frame-rate Auto Collaboration.

Service and Support

Cisco and our partners provide a broad portfolio of intelligent, personalized services and support that can help you realize the full value of your Cisco TelePresence investment by increasing business agility and network availability. This portfolio of services accelerates business innovation through a network-based collaboration platform that enables businesses to collaborate anywhere, anytime. For more information about these services, visit: http://www.cisco.com/go/telepresenceservices

For More Information

For more information about the Cisco TelePresence System 1100, visit http://www.cisco.com/go/telepresence or contact your local Cisco account representative or authorized Cisco partner.

Product specifications are estimates and subject to change without notice.

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