

Cisco TelePresence System 500 Series

Figure 1. Personal TelePresence for the Office with the Cisco TelePresence System 500 Series



Product Overview

The Cisco TelePresence™ System 500 Series brings virtual, in-person experience directly to the private office. Executives or team leaders can instantly connect with colleagues, partners, and customers over telepresence at equal stature - appearing life-size on Cisco TelePresence System 3000, T3, and other immersive endpoints. With vivid 1080p30 video, premium audio quality, and the convenience of features such as “one-button-to-push” calling, the Cisco TelePresence 500 Series delivers all the hallmarks of a true immersive Cisco TelePresence experience.

The smaller footprint of the Cisco TelePresence System 500, with 32- or 37-inch display, gives you the flexibility to deploy high-definition, high-quality telepresence in personal spaces such as the executive office.

Applications

The Cisco TelePresence System 500 Series is ideal for joining large, multilocation group meetings or hosting intimate, remote one-on-one discussions from the personal office. Weekly meetings, status updates, or discussions with a customer are a quick push of a button away, whether as a scheduled session or at a moment’s notice. By turning the display on its swivel mount, the Cisco TelePresence 500 Series can easily accommodate two people in the office meeting.

Total Solution

The Cisco TelePresence 500 Series is part of the broad portfolio of Cisco TelePresence systems offering immersive, multipurpose, and personal endpoints to meet the needs of organizations of all sizes. Cisco TelePresence solutions power the new way of working where everyone, everywhere can be more productive through face-to-face collaboration.

Features and Benefits

- Resolutions of 1080p and 720p on a premium 32- or 37-inch screen helps ensure telepresence is clear and natural.
- The specially designed, high-quality camera provides high-definition images, with excellent eye contact; the camera auto-retracts when not in a call, leaving the full screen available for multipurpose use (32-inch option only).
- Full-duplex, CD-quality audio provides a rich audio experience with no perceivable latency and no interference from mobile devices or cell phones.
- You can choose an open microphone and speaker, or add a privacy headset; the 32-inch-screen system incorporates an advanced two-dimensional microphone array for additional audio clarity.
- You can use the system when not in a telepresence call as a secondary PC monitor or for video output for digital signage.
- Integrated lighting eliminates facial shadows and provides natural-looking video.
- Flexible deployment options include a choice of pedestal, wall-mount (37-inch option only), or tabletop (37-inch option only) scenarios.
- Simple “one-button-to-push” calling integrates with common calendaring programs.
- The presentation-in-picture feature enables easy content sharing; a connector is available for adding a dedicated auxiliary display.
- The system supports multipoint conferencing with up to 48 locations.
- Integration with the network helps ensure reliability with high availability, security, and quality of service (QoS) for an optimal experience; highly secure communications are enabled through encryption of both video and call signaling.
- The system supports 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.

Product Specifications

Tables 1 to 3 list specifications for the Cisco TelePresence 500 Series.

Table 1. Product Specifications

Specification	Description	
Product compatibility	<ul style="list-style-type: none"> • Cisco Unified Communications Manager 7.1.5 or later • Cisco TelePresence Multipoint Switch 1.6 or later • Cisco TelePresence Manager 1.7 or later 	
Software compatibility	Cisco TelePresence System Software Version 1.6 or later	
User interface	Cisco Unified IP Phone 7975G	
Cisco TelePresence HDC High-Definition Camera	<ul style="list-style-type: none"> • Complementary Metal Oxide Semiconductor (CMOS) 2/3-in. sensor • C-mount lens • Resolution: 1080p 30 • Minimum illumination 300 lux • Manual focus and zoom 	<ul style="list-style-type: none"> • CMOS 1/3-in. sensor • CS-mount lens • Resolution: 1080p30 • Minimum illumination 300 lux • Manual focus and zoom
Physical dimensions (H x W x D)	Cisco TelePresence System 500 (37-inch): <ul style="list-style-type: none"> • Minimum room dimensions: 8 x 6 x 8 ft (2.4 x 1.8 x 2.4m) • Tabletop: 36.5 x 38 x 16.5 in. (0.91 x 0.97 x 0.42m) <ul style="list-style-type: none"> ◦ Base width: 31.5 in. (0.8m) • Freestanding pedestal: 	Cisco TelePresence System 500 (32-inch): <ul style="list-style-type: none"> • Minimum room dimensions: 8 x 6 x 8 ft (2.4 x 1.8 x 2.4m) • Freestanding pedestal: <ul style="list-style-type: none"> ◦ Height: 52.0 to 62.9 in. (1.32 to 1.60m) ◦ Display width: 37.2 in. (0.95m)

Specification		Description
	<ul style="list-style-type: none"> ◦ Height: 66.5 in. (1.7m) ◦ Width: 38 in. (0.97m) ◦ Base width: 33 in. (0.84m) ◦ Base depth: 25 in. (0.64m) • Wall-mounted pedestal: <ul style="list-style-type: none"> ◦ Height: 66.5 in. (1.7m) ◦ Width: 38 in. (0.97m) ◦ Base width: 33 in. (0.84m) ◦ Base depth: 13.5 in. (0.34m) • Wall-mounted: <ul style="list-style-type: none"> ◦ Height: 30 in. (0.76m) ◦ Width: 38 in. (0.97m) 	<ul style="list-style-type: none"> ◦ Base width: 28.1 in. (0.72m) ◦ Base depth: 29.2 in. (0.74m)
Weight	Cisco TelePresence System 500 (37-in.): <ul style="list-style-type: none"> • 230 lb (104.3 kg) with pedestal • 65 lb (29.47 kg) without pedestal and codec 	Cisco TelePresence System 500 (32-in.): <ul style="list-style-type: none"> • 113 lb (51.3 kg) with pedestal
Power	Cisco TelePresence System 500 (37-in.): <ul style="list-style-type: none"> • 350W (3A @ 120V to 1.5A @ 240V) • Two power plugs required 	Cisco TelePresence System 500 (32-in.): <ul style="list-style-type: none"> • 192W (1.6A @ 120V to 0.8A @ 240V) • One power plug required
Temperature range	Cisco TelePresence System 500 (37-in.): <ul style="list-style-type: none"> • Operating: 23 to 104° F (-5° to 40°C) • Relative humidity: 10 to 95% (noncondensing) • Nonoperating: -13 to 158°F (-25 to 70°C) • Heat dissipation: 0.64 kW, 1700 BTU/hr <small>*Typical accounts for a diversity of power consumption at 75 percent of maximum</small>	Cisco TelePresence System 500 (32-in.): <ul style="list-style-type: none"> • Operating: 41 to 95°F (5 to 35°C) • Relative humidity: 20 to 80% (noncondensing) • Nonoperating: -4 to 140°F (-20 to 60°C) • Heat dissipation: 0.192kW, 655 BTU/hr <small>*Typical accounts for a diversity of power consumption at 75 percent of maximum</small>
Firmware upgrades	Downloadable from Cisco Unified Communications Manager	
Regulatory compliance	<ul style="list-style-type: none"> • UL/CSA 60950-1 • IEC/EN 60950-1 • AS/NZS 60950-1 • 47CFR (Part 15) FCC Class B • CISPR 22/EN55022 Class B • CISPR 24/EN55024 	

Table 2. Video and Audio Specifications

Specification	Description
Bandwidth consumption	3 to 4 Mbps (1080p) or 1 to 3 Mbps (720p) or 1.5 Mbps (720p Lite) for IP QoS connections is recommended. Note: The bandwidth recommendations for both 37- and 32-inch-screen Cisco TelePresence System 500 models are identical to those for the Cisco TelePresence System 1000 and System 1100 models.
Video standards	H.264, TelePresence Interoperability Protocol (TIP)
Video frame rate	30 frames per second (fps) using H.264
Data and graphics frame rate	<ul style="list-style-type: none"> • Graphics sharing at 5 fps (standard configuration) • Optional graphics sharing at 30 fps; software upgrade for 32-inch-screen Cisco TelePresence System or using a dedicated presentation codec for 37-inch-screen Cisco TelePresence System
Native National Television Standards Committee (NTSC)	720p and 1080p
Live video resolution	1920 x 1080 Native
H.264 interoperability	Using Common Intermediate Format (CIF) and G.711 with Cisco Unified Videoconferencing 3500 Series platforms
Audio standards	G.711 and AAC-LD (22 kHz)
Audio features	Cisco Dynamic Echo Cancellation

Table 3. Network, Security, and Management Specifications

Specification	Description
Protocols	<ul style="list-style-type: none"> • Cisco Discovery Protocol • Session Initiation Protocol (SIP) • IP • Dynamic Host Configuration Protocol (DHCP), • Secure Shell (SSH) Protocol • IEEE 802.1p/q • Real-Time Transport Protocol (RTP)
Video network features	Intelligent packet loss recovery of video transmission
Network interface	<ul style="list-style-type: none"> • One LAN or Ethernet (RJ-45); 100/1000 Mbps • Internal 4-port Ethernet switch, and high-definition video connector
Other interfaces	Web-based user interface; IP address assignment can be statically configured or configured through the Cisco TelePresence administrator web interface
Embedded encryption	Supports full media and signaling encryption for up to 48 segments
Scheduling services	Allows for email calendaring and scheduling services from a web-enabled application; to take advantage of this feature, you must install and configure the Cisco TelePresence Manager server to work with your calendar and email applications
Directory services	Allows up to 40 favorites entries for convenient speed dialing or for integration into the Cisco Unified Communications Manager general directory service, which features a search function for thousands of directory entries

Ordering Information

To place an order, visit the [Cisco Ordering Home Page](#) and refer to Table 4.

Table 4. Ordering Information

Product Name	Part Number
Cisco TelePresence System 500 37"	CTS-500
Cisco TelePresence System 500 32"	CTS-500-32
Ordering Options for the Cisco TelePresence System 500	
Power cords	Select the appropriate power cord option to plug into the wall outlets in the country where the Cisco TelePresence system will be deployed.
Auxiliary control unit (CTS 50037" only)	CTS-LIGHT-CTRL (CTS 500 37" only) This is an optional control unit that is used to turn off system lighting when not in a meeting and is not required for Cisco TelePresence System 500 operation. The built-in lighting for the system is included and does not need to be ordered separately for either the 32" or 37" model
Presentation codec (CTS 500 37" only)	CTS-HFR-COLLAB (CTS 500 37" only) This chargeable option adds a dedicated presentation codec to enable high-frame-rate auto collaboration. This is available via a software option for the 32" model.
Mounting Options (CTS 500 37" only)	CTS500-STRUC-PED This mounting option provides a free-standing floor mount for the Cisco TelePresence System 500 (CTS-500) with the codec integrated to the pedestal. CTS500-STRUC-WALL This mounting option is for the display attached to a wall and the codec sits on the floor with a cable harness. CTS500-STRUC-TABL This mounting option is for the display sitting on a table or shelf and the codec sits on the floor with a cable harness. The 32" model comes with a free-standing pedestal base.

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 500 Series, please visit: <http://www.cisco.com/go/telepresence> or contact your local Cisco account representative or authorized Cisco partner.



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San Jose, CA

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