

Cisco TelePresence TX1300 Series

Product Overview

The Cisco TelePresence® TX1300 Series extends the experience pioneered by Cisco's fully immersive three-screen solutions to smaller general purpose conferencing spaces. The TX1300 Series delivers an immersive experience on a single-screen system that enhances team collaboration across the table and around the globe (Figure 1).

Figure 1. Cisco TelePresence System TX1300 47



The TX1300 family comprises the TX1310 65, featuring a 65-inch screen, and the TX1300 47, which offers a 47-inch screen. With crisp video resolution of up to 1080p60* (1080 pixels displayed at 60 frames per second), high-definition 1080p30 content sharing, premium audio quality, and the convenience of features such as “one-button-to-push” calling, the TX1300 Series delivers the high-quality experience expected of Cisco® immersive telepresence rooms. With an innovative combination of triple-camera cluster and voice-activated switching technology, the TX1300 Series enables up to six participants to have a face-forward seat at the virtual table through a single video stream. Integrated audio conferencing and presentation-sharing capabilities make this solution a powerful team telepresence solution that enhances collaboration in many ways.

Offering two different screen sizes and flexible table configurations, the TX1300 Series can accommodate small-to-large conference rooms using the existing table in the room. The TX1310 65 is designed for medium- and larger-sized conference rooms (Figure 2), while the TX1300 47 is ideal for small conference rooms and supports a wide variety of table configurations and sizes commonly deployed, such as bullet, round, and square. The TX1300 Series helps customers extend high quality immersive experience to their larger workforce.

Figure 2. Cisco TelePresence TX1310 65



Applications

The Cisco TelePresence TX1300 Series is ideal for multipoint group meetings such as operational reviews, status update meetings, and customer presentations. It also enables geographically dispersed teams to collaborate in one-on-one meetings and general working sessions.

Total Solution

The TX1300 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

- In-person experience built on a new platform designed for future, advanced collaboration[†] features.
- “One-button-to-push” and ad-hoc calling is even easier with a simple and intuitive Touch 12 user interface.
- Triple-camera cluster and voice-activated switching maximize utility and limit bandwidth usage.
- Resolution of up to 1080p60[†] on a premium 47- or 65-inch screen helps ensure true-to-life visual connection.
- Deployment is flexible, with pedestal (TX1300 47) or wall mounting (TX1300 47 or TX1310 65) options.
- Presentation-in-picture allows for easy content sharing, and a connector is available for adding a dedicated auxiliary display.
- An optional audio-conferencing capability maximizes the solution utility.
- The solution offers multiuse capabilities such as laptop sharing or digital signage when not in a telepresence call.
- An integrated lighting assembly eliminates facial shadows and provides natural-looking video.
- Front speakers provide superior audio.

- Any-to-any interoperability is possible with standard- and high-definition video endpoints.

Product Specifications

Tables 1 through 3 list specifications for the Cisco TelePresence TX1300 Series.

Table 1. Product Specifications

Specification	Description
Product compatibility	<p>Cisco TelePresence TX1310 65:</p> <ul style="list-style-type: none"> • Cisco Unified Communications Manager 8.5.2 & 8.6.2 or later • Cisco TelePresence Multipoint Switch 1.8 or later • Cisco TelePresence Manager 1.8 or later <p>Cisco TelePresence TX1300 47:</p> <ul style="list-style-type: none"> • Cisco Unified Communications Manager 7.1.5 or later • Cisco TelePresence Multipoint Switch 1.8 or later • Cisco TelePresence Manager 1.8 or later
Software compatibility	<p>Cisco TelePresence TX1310 65:</p> <ul style="list-style-type: none"> • Cisco TelePresence System Software Version 1.9 or later <p>Cisco TelePresence TX1300 47:</p> <ul style="list-style-type: none"> • Cisco TelePresence System Software Version 1.8 or later
User interface	<ul style="list-style-type: none"> • Cisco TelePresence Touch Screen (12-in.)
Cisco TelePresence high-definition camera	<ul style="list-style-type: none"> • Complementary metal oxide semiconductor (CMOS) 1/3-inch sensor • CS-mount lens • 1080p, 30 or 60 frames per second (fps) • Minimum illumination: 300 lux • Manual focus
Physical dimensions (H x W x D)	<p>Cisco TelePresence TX1310 65:</p> <ul style="list-style-type: none"> • Minimum room dimensions: 8 x 16 x 12 ft (243.84 x 487.68 x 365.76 cm) • Wall-mounted: 77.4 x 80 x 7.5 in. (196.60 x 203.20 x 19.05 cm) <p>Cisco TelePresence TX1300 47:</p> <ul style="list-style-type: none"> • Minimum room dimensions: 8 x 12 x 12 ft (243.84 x 365.76 x 365.76 cm) • Free-standing version: 5.64 x 4.49 x 2.51 ft (171.91 x 136.86 x 76.51 cm) • Tethered version: 5.64 x 4.49 x 1.44 ft (171.91 x 136.86 x 43.89 cm)
Weight	<p>Cisco TelePresence TX1310 65: Maximum 600 lb (272.16 kg)</p> <p>Cisco TelePresence TX1300 47: Maximum 300 lb (136.08 kg)</p>
Power	<p>Cisco TelePresence TX1310 65: Maximum 1440W, typical 1216W, standby 240W</p> <p>Cisco TelePresence TX1300 47: Maximum 960W, typical 600W, standby 150W</p>
Temperature range	<p>Operating: 41 to 95°F (5 to 35°C)</p> <p>Relative humidity: 10 to 95% (noncondensing)</p>
Firmware upgrades	Downloadable from Cisco Unified Communications Manager
Regulatory compliance	<ul style="list-style-type: none"> • CE marking • UL/CSA/IEC/EN/AS/NZS/60950 • 47CFR Part 15 Class A • CISPR22/EN55022 Class A

Table 2. Video and Audio Specifications

Specification	Description
Bandwidth consumption	3 to 4 Mbps (1080p) or 1.5 to 3 Mbps (720p) for IP quality-of-service (QoS) connections recommended
Video standards	H.264, Telepresence Interoperability Protocol (TIP)
Video frame rate	30 fps using H.264
Data and graphics frame rate	<ul style="list-style-type: none"> • TX1300 47 and TX1310 65 graphics sharing at 5 fps (standard configuration)

Specification	Description
	<ul style="list-style-type: none"> Graphics sharing at 30 fps with software license
Native National Television Standards Committee (NTSC)	720p and 1080p
Live video resolution	1920 x 1080 Native
H.264 interoperability	Using Common Intermediate Format (CIF), G.722, and G.711 with Cisco Unified Videoconferencing 3500 Series platforms
Audio standards	G.711, G.722, and AAC-LD (22 kHz)
Audio features	Cisco Dynamic Echo Cancellation

Table 3. Network, Security, and Management Specifications

Specification	Description
Protocols	Cisco Discovery Protocol, Session Initiation Protocol (SIP), IP, Dynamic Host Configuration Protocol (DHCP), Secure Shell (SSH) Protocol, 802.1p/q, and 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 with 2 Power over Ethernet plus (PoE+) (IEEE 802.3af) ports on codec
Other interfaces	Web-based user interface; IP address assignment can be statically configured or configured through the Cisco TelePresence administrator web interface
Embedded encryption	Support for full media and signaling encryption for up to 48 segments
Scheduling services	Ability to offer 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	Ability to offer 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

Table 4 gives ordering information for the Cisco TelePresence TX1300 Series.

Table 4. Ordering Information

Product Name	Part Number
Cisco TelePresence TX1300 47¹	CTS-1300-47
Cisco TelePresence TX1310 65²	CTS-TX1310-65
Ordering Options for the Cisco TelePresence TX1300 Series	
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-SW (TX1300 47 & TX1310 65) This chargeable license option enables high-frame-rate Auto Collaboration.

¹ Orderable and shipping

² Available Q3 FY2012

* Hardware capable of 1080p60 at time of launch; functionality to be delivered in future software release.

Note: Many of the products and features described herein remain in varying stages of development and will be offered on a when-and-if-available basis. This roadmap is subject to change at the sole discretion of Cisco, and Cisco will have no liability for delay in the delivery or failure to deliver any of the products or features set forth in this document.

Cisco Service and Support

Cisco and our partners provide a broad portfolio of smart, personalized services and support that can help you realize the full business value of your Cisco TelePresence investment by increasing business agility and network availability. This portfolio of services accelerates business innovation by harnessing the network as a powerful business platform. For more information about these services, visit:

<http://www.cisco.com/go/telepresenceservices>.

For More Information

For more information about the Cisco TelePresence TX1300 Series, please visit

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




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