Cisco TelePresence Profile 42-inch

The Cisco TelePresence® portfolio creates an immersive, in-person experience - 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 manage costs, make decisions faster, improve customer intimacy, scale scarce resources, and speed products to market.

Figure 1.   Cisco TelePresence Profile 42-inch for Immediate Team Collaboration

Side view

Product Overview

The Cisco TelePresence Profile 42-inch makes video communications accessible to teams everywhere. With this system you can transform any meeting space into a video-enabled team room. Whether you are just getting started with video communications or conducting a large-scale deployment, the Cisco TelePresence Profile 42-inch delivers 1080p high-definition (HD) performance in a simple, intuitive design (Figure 1).

The Cisco TelePresence Profile 42-inch comes with both Cisco TelePresence MultiSite technology and Multiway capabilities and the performance of Cisco TelePresence Codec C40 (Codec C40).

Cisco TelePresence Profile 42-inch Features

Table 1 summarizes the key features of the Cisco TelePresence Profile 42-inch.

Table 1.   Cisco TelePresence Profile 42-inch Feature Summary

Feature Summary	
Design features	• Exclusive Scandinavian design with a clean and sleek look from all angles • Fully integrated system with 1080p widescreen LCD and Cisco TelePresence PrecisionHD Camera (1080p) • Ideal camera and display height for natural communication • Use of recyclable aluminum materials to support our commitment to the environment • Ease of use with the Cisco Telepresence touch screen user interface • Supported on the Cisco WebEx Telepresence Network
Codec C40 configuration features	• Four-way 576p30 High Definition SIP/H.323 MultiSite with individual transcoding • Choice of network up to 6-Mbps point-to-point (H.323/SIP) and up to 10-Mbps MultiSite • Four video inputs • Two video outputs • Two XLR audio inputs with individual echo canceller • Optimal definition up to 1080p and support 60 fps up to 720p

Installation Flexible Options

The Cisco TelePresence Profile 42-inch offers three base options: Standalone option with foot attachment, wheel base for mobility, or a wall-mount kit for a smaller footprint.

Product Capabilities

Table 2 lists the capability specifications for the Cisco TelePresence Profile 42-inch.

Table 2.   Product Specifications

Specification	Description
Cisco TelePresence Profile 42-inch Common Features:	
Protocols	• H.323 • SIP • ISDN (requires Cisco TelePresence ISDN Link)
Bandwidth	• H.323/SIP up to 6 Mbps point-to-point • H.323/SIP up to 10-Mbps MultiSite
Video standards	• H.261, H.263, H.263+, and H.264
Video features	• Native 16:9 widescreen • Advanced screen layouts • Intelligent video management • Local auto layout

Specification	Description
Dual stream	• H.239 (H.323) dual stream • BFCP (SIP) dual stream • Support for resolutions up to WXGAp30 in dual stream simultaneously with any Main Stream resolution
Firewall traversal	• Cisco® TelePresence Expressway technology • H.460.18 and H.460.19 Firewall Traversal
Embedded encryption	• H.323/SIP point-to-point • Standards-based: H.235 v2 & v3 and AES • Automatic key generation and exchange • Supported in dual stream
IP network features	• DNS lookup for service configuration • Differentiated services (QoS) • IP adaptive bandwidth management (including flow control) • Auto gatekeeper discovery • Dynamic playout and lip-sync buffering • H.245 DTMF tones in H.323 • Date and time support through NTP • Packet loss based downspeeding • URI Dialing • TCP/IP • DHCP • Direct DNS dialing • 802.1x Network authentication • ClearPath • Medianet: Mediatrace and Metadata
IPv6 network support	• Single call stack support for both H323 and SIP • Dual-stack IPv4 and IPv6 for DHCP, SSH, HTTP, HTTPS, DNS, and Differentiated Services (DiffServ) • Support for both Static and Auto configuration (stateless address auto configuration)
Security features	• Management through HTTPS and SSH • IP administration password • Menu administration password • Disable IP services • Network settings protection
Network interfaces	• Two LAN/Ethernet (RJ-45) 10/100/1000 Mbit (Cisco Telepresence Codec C40) • One LAN/Ethernet (RJ-45) 10/100/1000 Mbit
Other interfaces	• USB device for future usage
Cisco TelePresence PrecisionHD Camera (1080p)	• 1/3 inch CMOS • 12 x zoom • +15°/-25° tilt and +/- 90° pan • 43.5° vertical field of view • 72° horizontal field of view • Focus distance 0.3m-infinity • 1920 x 1080 pixels progressive @ 60fps • Other formats supported (See Cisco TelePresence Precision HD Camera product specification sheet) • Automatic or manual focus, brightness, and whitebalance • Far-end camera control • Daisy-chain support (Visca protocol camera) • Dual HDMI and HD-SDI output • Upside-down mounting with automatic flipping of picture

Specification	Description
System management	- Support for the Cisco TelePresence Management Suite - Total management through embedded SNMP, Telnet, SSH, XML, and SOAP - Remote software upload: via web server, SCP, HTTP, and Secure HTTP (HTTPS) - One RS-232 for local control and diagnostics - Remote control and on-screen menu system - Cisco Telepresence touch screen user interface device
Directory services	- Support for local directories (My Contacts) - Corporate directory - Unlimited entries using server directory supporting LDAP and H.350 - Unlimited number for Corporate Directory (through Cisco TelePresence Management Suite) 200 number local directories in local languages - Received calls with date and time - Placed calls with date and time - Missed calls with date and time
Power	- Auto-sensing power supply 100-120/200-240 VAC, 60/50 Hz, 6A max
Operating temperature and humidity	32 to 95°F (0 to - 35°) ambient temperature 10 to 90% relative humidity (RH)
Storage and transport temperature	-20o 60°C (-4to 140°F) at RH 10-90% (non-condensing)
Base	Available with: - Floor standing footplate - Wheel base - Wall mount on pedestal
Dimensions	Cisco TelePresence Profile 42-inch: - Height: 63.78 in. (162 cm) - Width: 38.58 in. (98 cm) - Depth: 6.7 in. (17 cm) - Weight: 202.8 lbs. (92 kg)
Cisco TelePresence Profile 42-inch with Cisco TelePresence Codec C40:	
Full HD LCD display remote control, Cisco TelePresence PrecisionHD Camera (1080p), microphone, Digital Audio Module, integrated speakers and integrated cabling. Choice of installation configuration: floor stand and wheel base or wall mount on pedestal.	
Video input (four inputs)	**Two HDMI Inputs: Supported Formats:** 1920x1080@60 and 59.94 Hz (1080p60) 1920x1080@50 Hz (1080p50) 1920x1080@30 and 29.97 Hz (1080p30) 1920x1080@25 Hz (1080p25) 1920x1080@24 and 23.97 Hz (1080p24) 1280x720@60, 59.94 and 50 Hz (720p) 720x480@60 and 59.94 Hz (480p60) 640x480@60 Hz (480p60) 1600x1200@50 and 60 Hz (UXGA) 1280x1024@60 and 75 Hz (SXGA) 1024x768@60, 70, 75, and 85 Hz (XGA) 800x600@56, 60, 72, 75, and 85 Hz (SVGA) 1920x1200@50 and 60 Hz (WUXGA) 1680x1050@60 Hz (WSXGA+) 1440x900@60 Hz (WXGA+) 1280x768@60 Hz (WXGA) **One DVI-I Inputs: Supported Formats:** Analog (VGA): 1920x1080@60 Hz (1080p) 1280x720@60 Hz (720p) 1600x1200@60 Hz (UXGA)

Specification	Description
	• 1280x1024@60 and 75 Hz (SXGA) • 1280x960@60 Hz • 1024x768@60, 70, 75, and 85 Hz (XGA) • 1920x1200@50 Hz (WUXGA) • 1680x1050@60 Hz (WSXGA+) • 1440x900@60 Hz (WXGA+) • 1280x800@60 Hz (WXGA) • 1280x768@60 Hz (WXGA) Analog (YPbPr): • 1920x1080@60, 50, 30, and 25 Hz (1080p) • 1280x720@60, 50, and 30 Hz (720p) • 720x576@50 Hz (576p50) • 720x480@60 Hz (w480p60) Digital (DVI-D): • Same as HDMI, ref. above. One S-video/Composite Input (BNC Connectors): • PAL/NTSC • Extended Display Identification Data (EDID)
Video output (two outputs)	**One HDMI Output, one DVI-I Output: Supported Formats:** • 1920x1080@60 Hz (1080p60) • 1920x1080@50 Hz (1080p50) • 1280x720@60 Hz (720p60) • 1280x720@50 Hz (720p50) • 1600x1200@60 Hz (UXGA) • 1280x1024@60 Hz (SXGA) • 1024x768@60 Hz (XGA) • 800x600@60 Hz (SVGA) • 640x480@60 Hz (VGA) • 1920x1200@60 Hz (WUXGA) • 1366x768@60 Hz • 1360x768@60 Hz • 1280x768@60 Hz (WXGA) • VESA Monitor Power Management • Extended Display Identification Data (EDID)
Live video resolutions encode and decode)	• 176x144@30 Hz (QCIF) • 352x288@30 Hz (CIF) • 512x288@30 Hz (w288p) • 576x448@30 Hz (448p) • 768x448@30 Hz (w448p) • 704x576@30 Hz (4CIF) • 1024x576@30 Hz (w576p) • 640x480@30 Hz (VGA) • 800x600@30 Hz (SVGA) • 1024x768@30 Hz (XGA) • 1280x1024@30 Hz (SXGA) • 1280x720@30 Hz (720p30) • 1920x1080@30 Hz (1080p30) • 1280x768@30 Hz (WXGA) • 1440x900@30 Hz (WXGA+) • 1680x1050@30 Hz (WSXGA+) • 1600x1200@30 Hz (UXGA) • 512x288@60 Hz (w288p60) • 768x448@60 Hz (w448p60) • 1024x576@60 Hz (w576p60) • 1280x720@30 and 60 fps (720p60)

Specification	Description
	• 720p30 from 768kbps • 720p60 from 1152kbps • 1080p30 from 1472kbps
Audio standards	• G.711, G.722, G.722.1, 64 bit & 128 bit MPEG4 AAC-LD, and AAC-LD Stereo
Audio features	• CD-Quality 20KHz Mono and Stereo • Two separate acoustic echo cancellers • Two port audio mixer • Automatic gain control (AGC) • Automatic noise reduction • Active lip synchronization
Audio inputs (five inputs)	• Two microphones, 48V phantom powered, XLR connector each with separate echo cancellers and noise reduction, and all microphones can be set for balanced line level • Two RCA/Phono, Line Level: Stereo PC input, configurable to 2 x RCA/Phono, Line Level: Mono auxiliary/DVD input • One HDMI, digital: Stereo PC/DVD inputs
Audio outputs (three outputs)	• Two RCA/Phono, line level, stereo main audio, configurable to S/PDIF or 2 x RCA/Phono, line level, and mono to recording device • One HDMI, digital and stereo main audio
MultiPoint support	• Four-way embedded SIP/H.323 MultiPoint, reference MultiSite • Cisco TelePresence Multiway support (requires Cisco TelePresence Video Communication Server [Cisco VCS] and Cisco TelePresence MCU0 • Ability to natively join multipoint conferences hosted on Cisco TelePresence Multipoint Switch (CTMS)
MultiSite features (embedded MultiPoint)	• Four-way SIP/H.323 w576p30 High Definition MultiSite • Full individual audio and video transcoding • Individual layouts in MultiSite Continuous Presence (Takes out SelfView) • H.323/SIP/VoIP in the same conference • Support for Presentation (H.239/BFCP) from any participant at resolutions up to WXGAp30 • Best impression (Automatic CP Layouts) • H.264, Encryption, Dual Stream from any site • IP Downspeeding • Dial-in and dial-out • Additional telephone call (no license required) • Conference rates up to 10 Mbps

Regulatory Compliance

- Directive 73/23/EEC (Low-Voltage Directive) - Standard EN 60950

- Directive 89/336/EEC (EMC Directive) - Standard EN 55022, Class A - Standard EN 55024 - Standard EN 61000-3-2/-3-3

- Approved according to UL 60950 and CAN/CSA C22.2 No.60950

- Complies with FCC15B Class A

Ordering Information

Table 3 gives ordering information for the Cisco TelePresence Profile 42-inch.

Table 3. Ordering Information

Product Name	Part Number	Compliance Model Number
Cisco TelePresence Profile 42-inch with C40	**CTS-P42C40-K9**	**TTC60-12**
Comes with: Profile 42" Full HD LCD single screen, Cisco TelePresence Codec C40, Natural Presenter Package option, Cisco TelePresence PrecisionHD 1080p 12xs Camera, Cisco TelePresence Touch 8", and two microphones		
Ordering Options for the Cisco TelePresence Profile 42-inch with C40		
MultiSite Option for Profile 42 inch with C40	LIC-P42C40-MS	
Premium Resolution Option for Profile 42 inch with C40	LIC-P42C40-PR	
Dual Display Option for Profile 42 inch with C40	LIC-P42C40-DD	
Ordering Options for the Cisco TelePresence Profile 42-inch with C40		
Floor Stand Kit for Profile 42 inch with C40	CTS-P4252S-FSO	TTC60-12
Wall Mount Kit Profile 42 inch with C40	CTS-P4252S-WMK	TTC60-12
Wheel Base Kit for Profile 42 inch with C40	CTS-P4252S-WBK	TTC60-12

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, please visit: http://www.cisco.com/go/telepresenceservices.

For More Information

For more information about the Cisco TelePresence Profile 42-inch, please 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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Printed in USA

C78-628587-07   03/13