Cisco TelePresence Profile 65-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 Series 65-inch

Product Overview

The Cisco TelePresence Profile 65-inch is designed for the ultimate team meeting room video experience. With optimal camera height and a crystal clear video 65-inch LCD screen, the Cisco TelePresence Profile 65-inch delivers a true-to-life experience that is as close to being in the same room as possible without actually being there.

Cisco TelePresence Profile 65-inch Features

Table 1 summarizes the key features for the Cisco TelePresence Profile 65-inch.

Table 1. Cisco TelePresence Profile 65-inch Feature Summary

Feature Summary	
Design features	• Exclusive Scandinavian design with a clean and sleek look from all angles • High definition up to 1080p60 with large 65-inch custom LCD screen • Ideal for corner offices, high-end conference rooms, and the showroom floor • Use of recyclable aluminum materials to support our commitment to the environment • Ease of use with the Cisco Telepresence touch screen user interface • One of the most powerful and feature-rich codecs available with the ultimate in video and audio quality
Application features	• Four-way 720p30 HD embedded MultiSite with Individual Transcoding, H.323/SIP • Clear and smooth HD collaboration with WUXGA[2] and up to full 1080p60 HD with superior motion handling • One button to push (OBTP) to start a meeting
Performance features	• Choice of network up to 6 Mbps point-to-point (H.323/SIP) and up to 10 Mbps MultiSite[*] (H.323/SIP) • Optimal definition - resolutions up to 1080p60 • Four XLR audio input with individual echo canceller • Five Video Input/Output • Cisco Unified Communications Manager native support (requires Cisco Unified Communications Manager Version 8.6 or higher)

Flexible Options

The system offers three base options: A stand-alone option with a foot attachment or a wall-mount kit for a smaller footprint.

Product Capabilities

Table 2 lists the product capability specifications for the Cisco TelePresence Profile 65-inch.

Table 2. Product Specifications

Specification	Description
Unit delivered complete with:	• Full HD LCD display, Cisco TelePresence Codec C60,Cisco Telepresence touch screen UI, remote control, Cisco TelePresence Precision HD Camera (1080p), microphone, Digital Audio Module, and integrated speakers and integrated cabling
Monitor	• 65-inch Full HD LCD, 16:9 and 1080 x 1920 resolution
Base	• Floor standing footplate • Wall mount on pedestal
Bandwidth	• H.323/SIP up to 6 Mbps point-to-point • H.323/SIP up to 10 Mbps Multisite[*]
Firewall traversal	• Cisco® TelePresence Expressway technology • H.460.18 and H.460.19 Firewall Traversal
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
Video input (five 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)

Specification	Description
	• 1920x1080@24 and 23.97 Hz (1080p24)
	• 1280x720@60 and 59.94 Hz (720p60)
	• 1280x720@50 Hz (720p50)
	• 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)
	Two DVI-I Inputs: Supported Formats:
	Analog (VGA):
	• 1920x1080@60 Hz (1080p)
	• 1280x720@60 Hz (720p)
	• 1600x1200@60 Hz (UXGA)
	• 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 Hz (1080p60)
	• 1920x1080@50 Hz (1080p50)
	• 1920x1080@30 Hz (1080p30)
	• 1920x1080@25 Hz (1080p25)
	• 1280x720@60 Hz (720p60)
	• 1280x720@50 Hz (720p50)
	• 1280x720@30 Hz (720p30)
	• 720x576@50 Hz (576p50)
	• 720x480@60 Hz (w480p60)
	Digital (DVI-D):
	• 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 and 59.94 Hz (720p60)
	• 1280x720@50 Hz (720p50)
	• 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 S-video/Composite input (BNC Connectors):
	• PAL/NTSC

Specification	Description
	• Extended Display Identification Data (EDID)
Video output (three outputs)	**One HDMI Output: Supported Formats:** • 1920x1080@60 Hz (1080p60) • 1280x720@60 Hz (720p60) • 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) **One DVI-I Output: Supported Formats:** • 1920x1080@60 Hz (1080p60) • 1280x720@60 Hz (720p60) • 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) **One Composite Output (BNC Connector):** • PAL/NTSC • 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, 60 fps (720p60) • 1920x1080@60 fps (1080p60) [**] • 720p30 from 768kbps • 720p60 from 1152kbps • 1080p30 from 1472kbps • 1080p60 from 2560kbps
Audio standards	• G.711, G.722, G.722.1, 64 bit & 128 bit MPEG4 AAC-LD, AAC-LD Stereo

Specification	Description
Audio features	- CD-Quality 20KHz Mono and Stereo - Four separate acoustic echo cancellers - Four-port Audio mixer - Automatic Gain Control (AGC) - Automatic noise reduction - Active lip synchronization - A LD (Assistive Listening Devices) support with acoustic echo cancellation
Audio inputs (seven inputs)	- Four microphones, 48V phantom powered, XLR connector: each with separate echo cancellers and noise reduction; 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
Dual stream	- H.239 (H.323) dual stream - BFCP (SIP) dual stream - Support for resolutions up to 1080p30/WUXGA, independent of main stream resolution
MultiPoint support	- Four-way embedded SIP/H.323 MultiPoint, reference. Reference MultiSite - Cisco TelePresence Multiway support)(requires Cisco TelePresence Video Communications Server [Cisco VCS] and Cisco TelePresence MCU) - Ability to natively join multipoint conferences hosted on Cisco TelePresence Multipoint Switch (CTMS)
Multisite features (embedded MultiPoint)	- Four-way 720p30 High Definition SIP/H.323 MultiSite - Full individual audio and video transcoding - Individual layouts in MultiSite CP (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 Down speeding - Dial-in and dial-out - Additional telephone call (no license required) - Conference rates up to 10 Mbps
Protocols	- H.323 - SIP - ISDN (features Cisco TelePresence ISDN Link)
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 down speeding - URI Dialing - TCP/IP - DHCP - Direct DNS dialing 802.1x Network authentication - ClearPath

Specification	Description
	• Medianet: Mediatrace and Metadata
Cisco Unified Communications Manager (requires Cisco Unified Communications Manager Version 8.6 or later)	• Native registration with Cisco Unified Communications Manager • Basic Cisco Unified Communication Manager Provisioning • Firmware upgrade from Cisco Unified Communications Manager • Cisco Discovery Protocol and DHCP option 150 support • Basic telephony features such as hold/resume/transfer and Corporate Directory lookup
IPv6 network support	• Single call stack support for both H323 and SIP • Dual-stack IPv4 and IPv6 for DHCP, Secure Shell (SSH), Secure HTTP (HTTP), HTTPS, DNS, and Differentiated Services (DiffServ) • Support for both static and autoconfiguration (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
Other interfaces	• USB host for future usage • USB device for future usage • GPIO*

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 (configurable through Dip-switch):
	  ◦ 1920x1080@60fps (HDMI only)
	  ◦ 1920x1080@50fps (HDMI only)
	  ◦ 1920x1080@30fps
	  ◦ 1920x1080@25fps
	  ◦ 1280x720@60fps
	  ◦ 1280x720@50fps
	  ◦ 1280x720@30fps
	  ◦ 1280x720@25fps
	• 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: Through web server, SCP, HTTP, and HTTPS • One RS-232 for local control and diagnostics • Remote control and on-screen menu system • Cisco Telepresence touch screen - touch user interface device
Directory services	• Support for Local Directories (My Contacts) • Corporate Directory • Unlimited entries using server directory supporting LDAP and H.350 (requires Cisco TelePresence Management Suite) • Unlimited number for Corporate Directory (through Cisco TelePresence Management Suite) • 200 number local directory • 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, and 6A max • 175 watts maximum for codec and main camera • Maximum power rating complete system 650 W
Operating temperature and humidity	• 0 to 35°C (32 to 95°F) ambient temperature • 10to 90% relative humidity (RH)
Storage and transport temperature	• -20 to 60°C (-4 140°F) at RH 10-90% (non-condensing)
Dimensions	• Profile 65-inch Single • Height: 165 cm (65") • Width: 150 cm (59.1") • Depth: 15 cm (5.9") • Weight: 150 kg (330 lbs)

[**] Requires option.

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 65-inch.

Table 3.   Ordering Information

Product Name	Part Number	Compliance Model Number
Cisco TelePresence Profile 65-inch - Single Screen with C60	CTS-P65SC60-K9	TTC60-11
Comes with: Profile 65" with full HD LCD single screen, Cisco TelePresence Codec C60, Natural Presenter Package, Cisco TelePresence PrecisionHD 1080p 12x Camera, Cisco TelePresence Touch 8", and 3 microphones		
Ordering Options for the Cisco TelePresence Profile 65-inch Single Screen		
Multi Site Option for Profile 65-inch Single Screen	LIC-P65-C60-MS	
Premium Resolution Option for Profile 65-inch Single Screen	LIC-P65-C60-PR	
Ordering Options for the Cisco TelePresence Profile 65-inch Single and Dual Screen		
Floor Stand Kit for Profile 65" Single and Dual	CTS-P65SDD-FSM	TTC60-11
Wall Mount Kit for Profile 65" Single and Dual	CTS-P65SDD-WMK	TTC60-11

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 Profile 65-inch, 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.