Cisco IX5000 Series

Product Overview

Create exceptionally vibrant immersive video conferencing experiences with a state-of-the-art, rich-media system. Finely crafted and easy to use, the Cisco IX5000 Series brings together teams, customers, and partners to make decisions faster. The immersive, lifelike experience increases engagement, which rapidly builds relationships and trust. The IX5000 Series provides a vivid, state-of-the-art experience in a platform that is easier and less costly to deploy than ever before (Figure 1).

Figure 1.   Cisco IX5000, Six-Seat System

This sleek and powerful system incorporates an elegant triple 4K Ultra High Definition (UHD) camera cluster, three high-definition 70-inch LCD screens, and theater-quality audio to bring people together as if they were just across the table. The IX5000 Series includes the single-row, six-seat IX5000 system, and the dual-row, 18-seat IX5200 system.

The IX5000 Series delivers an exceptional immersive experience and a faster return on investment, both in lower deployment costs and innovative features that are designed to encourage higher utilization. You can deploy it easily and quickly without customized HVAC or electrical needs[1]. With support for H.265 video, the IX5000 Series requires 60% of the bandwidth consumption of other systems. Together with half the power consumption, the IX5000 Series lowers deployment costs, making it possible to deploy the immersive experience beyond the boardroom to all your teams.

[1] For an optimal video experience, please follow the IX5000 Series Room Requirements guide to ensure that required lighting and acoustic conditions are met.

Features and Benefits

The Cisco IX5000 Series creates a high-quality, simple, and reliable immersive experience by seamlessly integrating modern design and technology:

- Three 70-inch 1080p, 60fps LCD screens offer real-size, lifelike remote meeting participation.
- Three state-of-the-art 4K UHD cameras clustered together deliver optimal eye contact and a continuous whole-room experience.
- Three 1080p, 60fps video streams and two 1080p, 30fps content-sharing streams offer superior video and content collaboration.
- Integrated fill-lighting helps ensure high-quality video capture.

Table 1 lists the features and benefits of the Cisco IX5000 Series.

Table 1.   Features and Benefits

Feature	Description
Flexible room sizes	Seating options for 6 and 18 participants are available.
Scheduling and one-button-to-push start feature	As with all Cisco video conferencing products, the IX5000 Series supports simple scheduling through Microsoft Exchange calendar services, enabling Cisco's unique one-button-to-push meeting start feature.
Natural eye contact	A centrally located cluster of three 4K UHD cameras at 60 frames per second (fps) are positioned unobtrusively, allowing complete screen usage while offering outstanding eye contact.
Integrated fill-lighting	Built-in LED lighting to deliver soft, natural facial illumination, removing any dark shadows caused by top lighting and bringing studio-quality lighting to immersive telepresence.
Ergonomic desk environment	Relaxed seating environment incorporating a large open workspace. The curved desk and screen layout facilitates comfortable in-room and remote personal interaction from any seating position.
Intuitive touch control	The intuitive 10" touch-enabled tablet - the Cisco Touch 10 control unit - provides an intuitive and easy-to-use interface. Hard keys are also included for basic operations such as volume and mute. One Touch 10 tablet is included, but nine tablets can be supported in total.
Cisco WebEx conferencing enabled	The Cisco WebEx® integration feature extends Cisco 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 and content from the Cisco video system. This integration improves user experience, making meetings easier and more productive.
Content sharing	Two integrated digital presentation connectors are designed into the table, supporting the latest PC and Mac devices for local and remote content sharing. An additional third HDMI port is available for auxiliary input purposes such as a document camera. • Three 1080p, 30 fps content sources are supported when the system is not in a call • Two 1080p, 30fps content sources are supported in call (IX5000 to IX5000 only) • One 1080p, 30fps content source is supported when calling other Cisco and H.264 BFCP-compliant products • Content can be shared on any of the 70" main displays or aux display(s) Wireless content viewing on IOS and Android devices and content sharing from MACs and PCs supported with Cisco Intelligent Proximity.
Advanced microphones	Integrated raised desk microphone bars enable high-quality audio pick-up, allowing user to be clearly heard when standing up. The raised bars also help to overcome audio distortion from personal devices such as laptops. • IX5000: 18 discrete microphones • IX5200: 54 discrete microphones
Advanced audio	3-channel AAC-LD spatial audio combined with 19 high-fidelity speaker drivers provides lifelike, location-based audio from every seat. Uniquely designed speakers positioned above the screens provide high-fidelity audio with theater levels of performance: • 12 main drivers • 6 tweeters • 1 subwoofer

Feature	Description
Built-in power and network	Each seating position is equipped with a personal power and network LAN connection, designed to enhance the ease of use of personal devices.
Flexible room deployment	No HVAC remediation is required for a default configuration provided the recommended room size is followed and rooms conform to the ASHRAE HVAC standard (62-1999).[2] For an optimal video experience, please follow the IX5000 Series Room Requirements guide to ensure that required lighting and acoustic conditions are met.

[2] Rooms meeting this recommendation and the ASHRAE 1999 HVAC standard do not require additional HVAC remediation.

Product Specifications

Table 2 gives general system specifications, Table 3 gives video and audio specifications, Table 4 gives auxiliary interface specifications, Table 5 gives temperature ratings, and Table 6 gives ordering information for the IX5000 Series.

Table 2. Cisco IX5000 Series System Specifications

Specification	Description
Product compatibility[3]	Cisco Unified Communications Manager 10.5, 11.0.1 and 11.5.1 or later Cisco TelePresence Manager 1.9.4(56) or later Cisco TelePresence Management Suite 15.1, 15.2.1 and 15.3 or later Cisco Meeting Server 2.1.3 or later Cisco TelePresence Server 4.3 and 4.4 or later Cisco TelePresence Conductor XC4.2 and XC4.3 or later
Software compatibility[3]	Cisco TelePresence System Software IX8.2.0 or later
Protocols	Cisco Discovery Protocol, Session Initiation Protocol (SIP), IP, Dynamic Host Configuration Protocol (DHCP), Secure Shell (SSH) Protocol, 802.1p/q, Real-Time Transport Protocol (RTP) and Secure RTP (SRTP), Telepresence Interoperability Protocol (TIP), H.264, H.265, and Binary Floor Control Protocol (BFCP)
Network connectivity	Ethernet (One LAN, RJ-45 connection: 10/100/1000)
Programming interfaces	Web-based user interface; you can configure IP address assignment statically or through the Cisco TelePresence administrator web interface
System dimensions (H x W x D)	IX5000, 6-seat: 6' x 15' x 9'6" (1.8 x 4.6 x 2.9m) IX5200, 18-seat: 6' x 25'11" x 17' (1.8 x 7.9 x 5.2m)
Minimum room dimensions (H x W x D)	IX5000, 6-seat: 8' x 19' x 13"8' (2.4 x 5.8 x 4.2m) IX5200, 18-seat: 8' x 31' x 21" (2.4 x 9.4 x 6.4m)
Recommended[2] room dimensions (H x W x D)	IX5000, 6-seat: 8' x 19' x 15" (2.4 x 5.8 x 4.6m) IX5200, 18-seat: 8' x 31' x 22'2" (2.4 x 9.4 x 6.8m)
System weight	IX5000, 6-seat: 1235 lb (560 kg) IX5200, 18-seat: 1785 lb (810 kg)
System power requirements	Peak 1.13kW (excludes table leg power) Typical 903W (excludes table leg power)
Power requirements for optional extras (Peak)	Add 13 watts per optional additional Touch 10 tablet Add 110 watts for optional 42" aux display Add 176 watts per participant for table power where required
Total typical heat dissipation	Default system configuration: 3,081 BTU/hr Add 44 BTU/hr per Touch 10 Add 375 BTU/hr for 42" aux display Add 97 BTU/hr per participant for table power where required

[3] Assumes IX 8.2.x.or later. Products listed were tested against 8.2.x. For product and software compatibility with earlier versions of IX 8.x software, and details on compatibility specifics with other products, refer to the Cisco IX System Software Compatibility matrix.

Table 3.   Video and Audio Specifications

Specification	Description
Bandwidth consumption[4]	720p, 30 fps at 18.1 Mbps (H265) or 22.1 Mbps (H.264) 1080p, 60 fps at 24.4 Mbps (H.265) or 31.6 Mbps (H.264)
Video standards[5]	SIP, H.264, H.265, TIP, BFCP
Video frame rate	Up to 60 fps using H.264 and H.265
Video resolution	Native support up to 1920 x 1080p, 60 fps
Content frame rate	Content sharing up to 1920 x 1080p resolution, 30fps
Audio standards	G.711/G722 and AAC-LD (22 kHz)
Audio features	Cisco Dynamic Echo Cancellation for spatial audio
Cisco TelePresence UHD camera	Three fixed-focal-length lenses (no moving parts) Three 4K resolution (2160p, 60 fps) CMOS 1/2.3-inch sensor M12 mount lens Required vertical illumination 400 lux

[4] For guidance, these bandwidth consumption figures assume 20-percent over normal bandwidth requirements to account for Layer 2-to-Layer 4 and other overhead, with allowance for bursts and microbursts. The figures also assume "Best" motion quality, two 1080p30 presentation streams (H.264, IX-to-IX only). For details on IX network and bandwidth requirements, refer to the Administration Guide for Cisco TelePresence Software Release IX 8.

[5] The recommended video codec setting for video calls on IX5000 products is H.264 at 30 or 60 fps. For H.265, the recommended setting is 30 fps. Usage of H.265 at 60 fps may result in degraded video quality.

Table 4.   Auxiliary Interfaces

Specification	Description
Presentation inputs	Two table integrated, multi-headed presentation cables with cable retraction Physical interfaces: • HDMI • Dual-mode mini display port • Dual-model display port • Thunderbolt Resolutions: • XGA, 720P, and 1080P resolutions • Timing according to CEA-861
Auxiliary display outputs	Three HDMI (Note: The auxiliary 42" lower data display uses one of these ports when deployed) • XGA, 720P, and 1080P resolutions • CEA-861
Personal LAN ports	IX5000: 6 Ethernet ports (RJ-45); 10/100/1000 Mbps located within table legs IX5200: 18 Ethernet ports (RJ-45); 10/100/1000 Mbps located within table legs
Table power	IX5000: 6 AC power outlets integrated into the table legs[*] IX5200: 18 AC power outlets integrated into the table legs[*] [*] IX5000 deployments in South Africa: 4 table power outlets are available [*] IX5200 deployments in South Africa: 11 table power outlets are available
Whiteboard microphone input	One 3.5mm TRS mono line in

Table 5.   Temperature Ratings

Temperature	Description
Conference-room operating temperature	41 to 95ºF (5 to 35ºC)
Relative humidity	10 to 95% (noncondensing)

Ordering Information

Table 6 gives ordering information for the IX5000 Series. Please note: Tabletops are made from natural wood materials and may therefore contain grain, texture, and color variances.
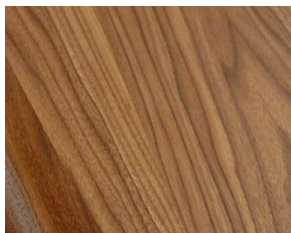
Table 6.   Ordering Information

Configuration	Table Options	Part Numbers
Cisco IX5000	6 seat system	CTS-IX5000
	Hickory (default)	CTS-5K-TBL-H-6S
	Walnut	CTS-5K-TBL-W-6S
Cisco IX5200	18 seat system	CTS-IX5200
	Hickory (default)	CTS-5K-TBL-H-18S
	Walnut	CTS-5K-TBL-W-18S

IX5000 Series Hickory Table Wood Option (default)

IX5000 Series Walnut Table Wood Option

Warranty Information

Find warranty information on Cisco.com at the Product Warranties page.

Cisco Services

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: https://www.cisco.com/go/telepresenceservices.

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For More Information

For more information about the Cisco IX5000 Series, please visit https://www.cisco.com/go/ix5000 or contact your local Cisco account representative or authorized Cisco partner.

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