

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 needs¹. 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. <ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 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 compatibility³ | 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 compatibility³ | 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) |
| Recommended² 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 consumption⁴ | 720p, 30 fps at 18.1 Mbps (H.265) or 22.1 Mbps (H.264) 1080p, 60 fps at 24.4 Mbps (H.265) or 31.6 Mbps (H.264) |
| Video standards⁵ | 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: <ul style="list-style-type: none"> • HDMI • Dual-mode mini display port • Dual-model display port • Thunderbolt Resolutions: <ul style="list-style-type: none"> • 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) <ul style="list-style-type: none"> • 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 95°F (5 to 35°C) |
| 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.

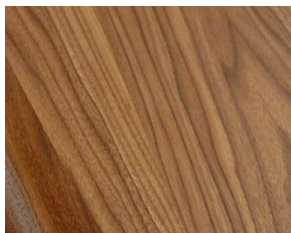
Table 6. Ordering Information

| 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.

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For More Information

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