



The bridge to possible

Cisco Collaboration Devices

Charlie Thorpe – Technical Marketing Engineer
@CiscoCollabTME
BRKCOL-2390

CISCO *Live!*

#CiscoLive

Cisco Webex App

Questions?

Use Cisco Webex App to chat with the speaker after the session

How

- 1 Find this session in the Cisco Live Mobile App
- 2 Click “Join the Discussion”
- 3 Install the Webex App or go directly to the Webex space
- 4 Enter messages/questions in the Webex space

Webex spaces will be moderated by the speaker until June 7, 2024.

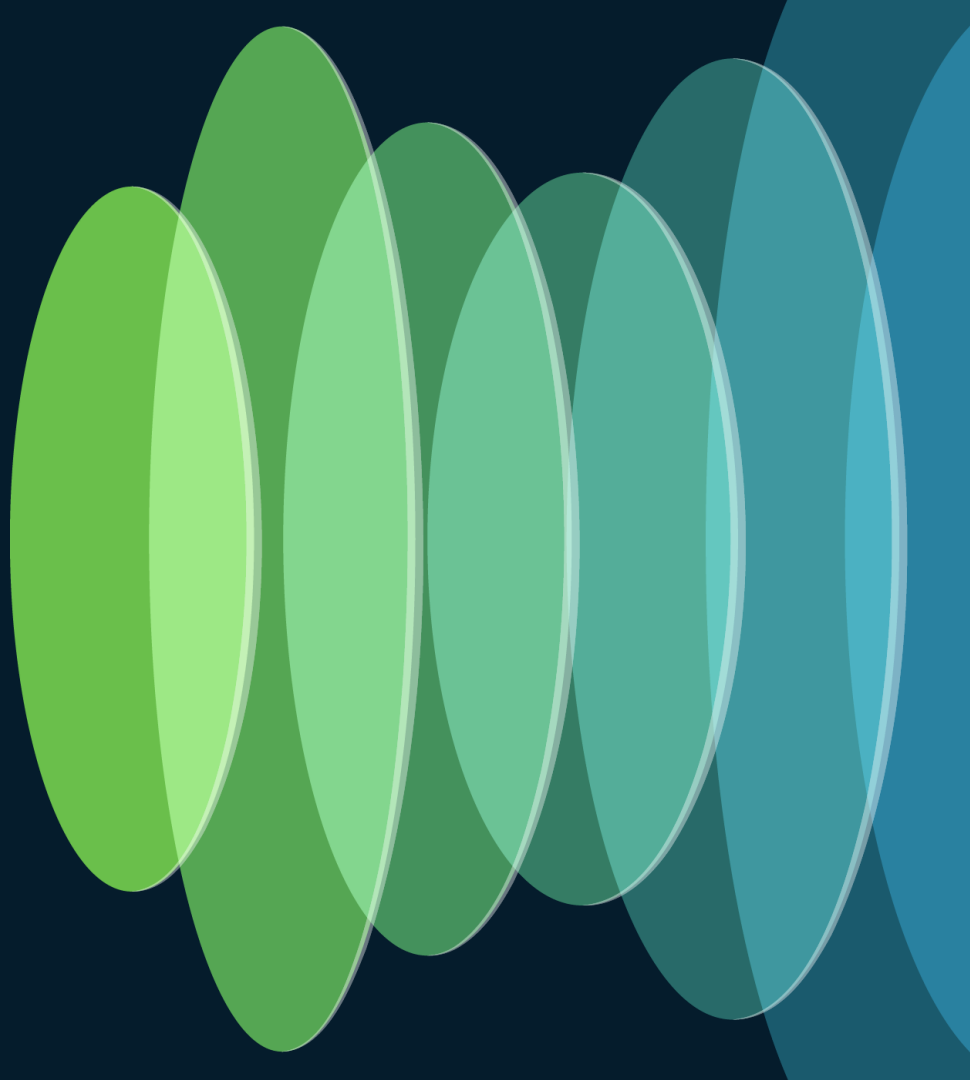




Agenda

- Introduction
- RoomOS
- Devices
- Cinematic Views

RoomOS Updates



RoomOS May

RoomOS May updates

- Animated reactions in Webex meetings
- Cisco Room scheduler check-in/check-out
- Device PIN lock for Board and Room devices in Personal mode
- Microsoft Teams Rooms
 - Call App available in control panel (side panel)
- Airplay – ability to allow AirPlay share of copyright protected content in local share only

Animated reactions

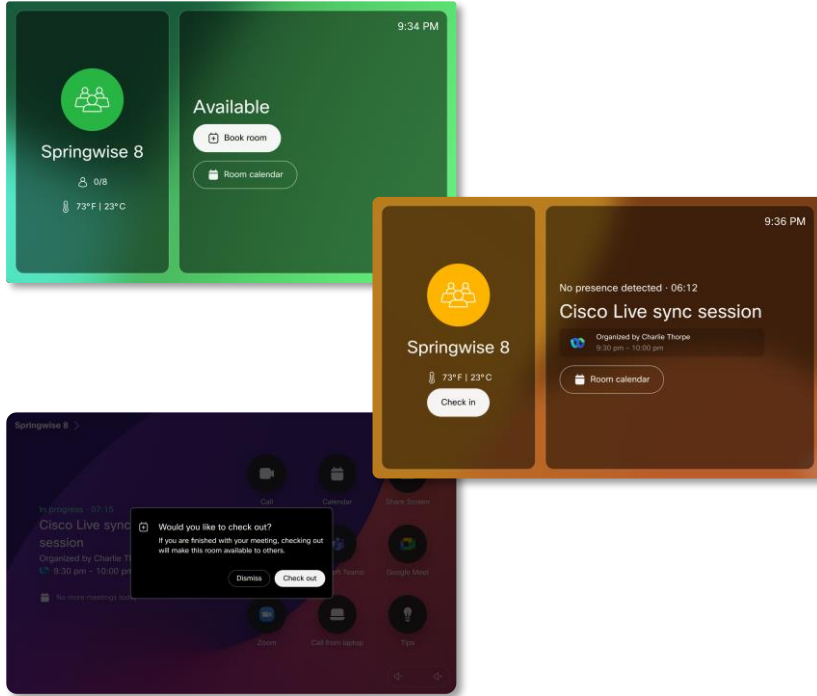
RoomOS May

- When a user reacts in a Webex meeting and their video is in view on your screen, their reaction will now appear and animate in their video frame.
- If someone raises a hand, this will also appear in their video frame and will remain until lowered.
- Only supported in Webex meeting



Cisco Room scheduler check-in/check-out

RoomOS May

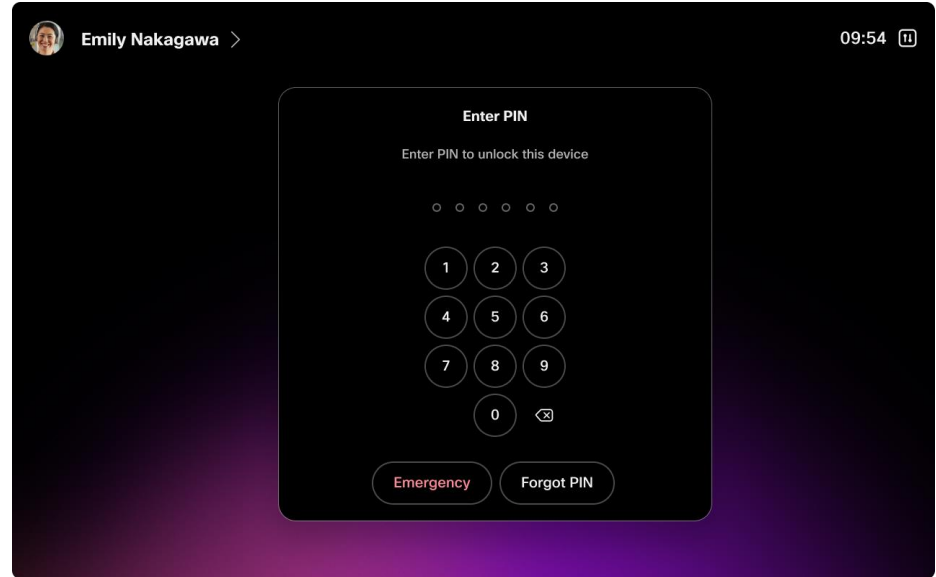


- Check-in/check-out is designed to optimize room utilization by:
- Requiring physical presence confirmation in the workspace for the booking to persist
- Auto-release (time is configurable) if physical presence is not confirmed.
- Check in can be performed manually through the press of a button or automatically by using peoplecount, sharing or simply joining a call.
- Settling in period of around 4-5 mins to ensure no false confirmations of presence.
- Option to check out when finished to release resource before end of booking

PIN lock for Board and Room Personal mode

RoomOS May

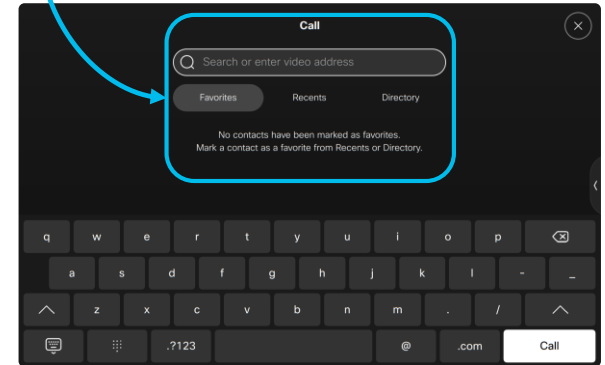
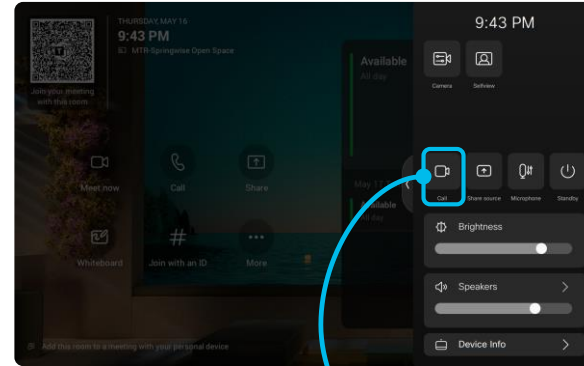
- PIN lock brings Board series and Room series inline with Desk series when configured in Personal Mode



Microsoft Teams Rooms – call app

RoomOS May

- Webex and SIP calling from Cisco device configured for Microsoft Teams Rooms
- New 'Call' button in Control Panel to allow the dialing of:
 - SIP URIs
 - Webex addresses
 - Access to Control Hub directory
- Requires dual registration (Teams Admin Center and Control Hub)



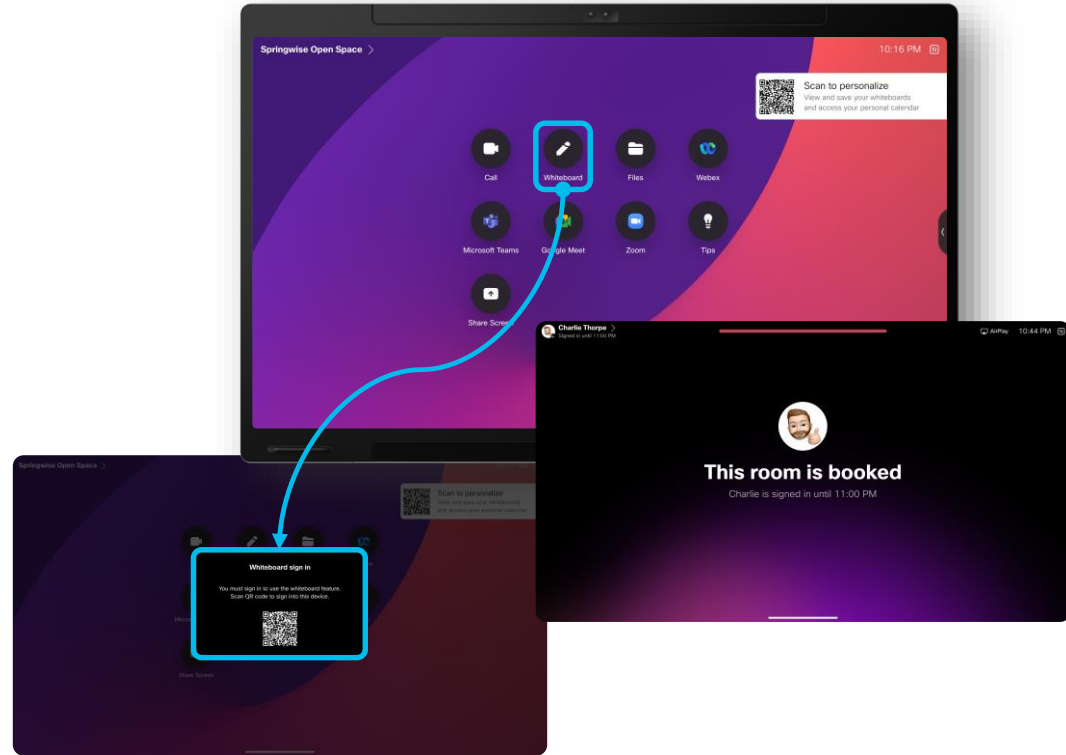
RoomOS June

- Hotdesking for Board series devices (Beta)
- FedRAMP <-> Commercial cross join
- Devices – Step Away phase 1
- RoomOS settings menu updates
- MTR
 - 4k local share out of call through RoomOS (Beta)

Hotdesking for Cisco Board series

RoomOS June (beta)

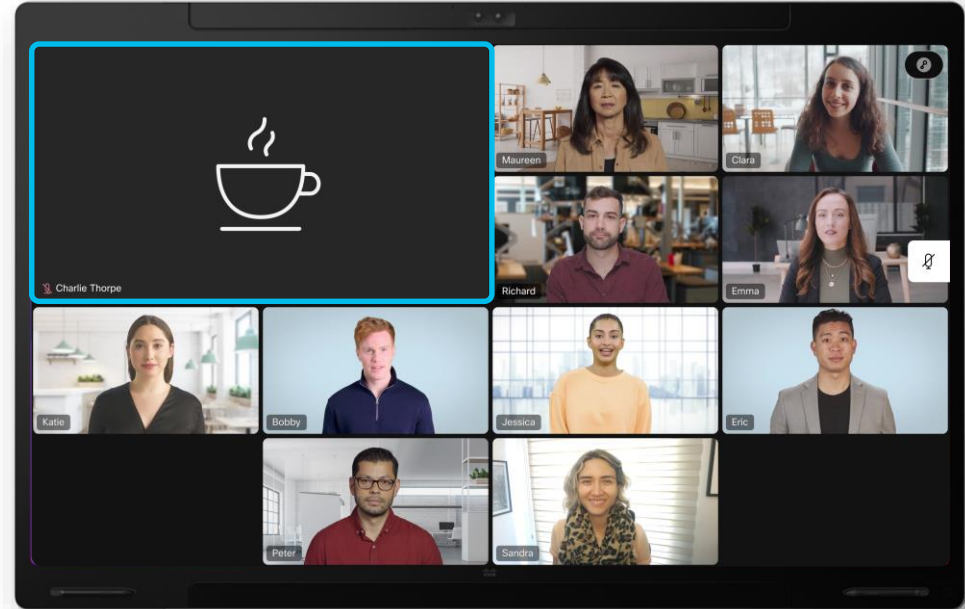
- Hotdesking released to Board series devices.
- Allows Board series device to be configured with hotdesking in workspace
- QR code shown on screen to allow sign-in from Webex app
 - Optional setting to enforce sign-in before being able to use Whiteboard
- Available on Board Pro/Board Pro G2 as well as Board series
- Full cloud or Webex Edge for Devices with optimized join.



Devices Phase 1 Step Away

RoomOS June

- When someone in the Webex app decides to step away from their PC, there will be the ability to enable the 'step away' status. This release will allow Cisco devices to consume the status of that user.
- When 'Step Away' is triggered, the video pip of the user will change to the coffee cup. Audio is also seen as muted.
- When 'Step Away' is triggered, the participant list on the device will also show muted audio and video as well as the wording of 'stepped away'.



FedRAMP <-> Commercial cross join

RoomOS June

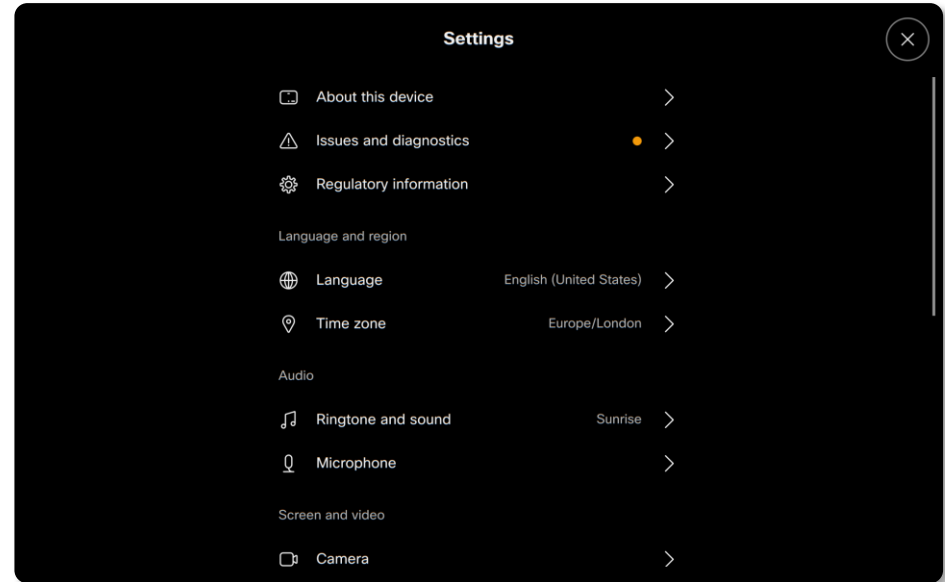
- FedRAMP customers when calling into a Webex meeting hosted in the commercial platform will join as a standard SIP device, losing many of the Webex features.
- With the FedRAMP <-> Commercial cross-join, Cisco devices on a FedRAMP org calling into a commercial platform Webex meeting will now enjoy the same Webex features as commercial customers.



RoomOS Settings Menu Update

RoomOS June

- Redesign of the settings menu on devices.
- Brings the settings menu inline with the other menu screens seen on the device.

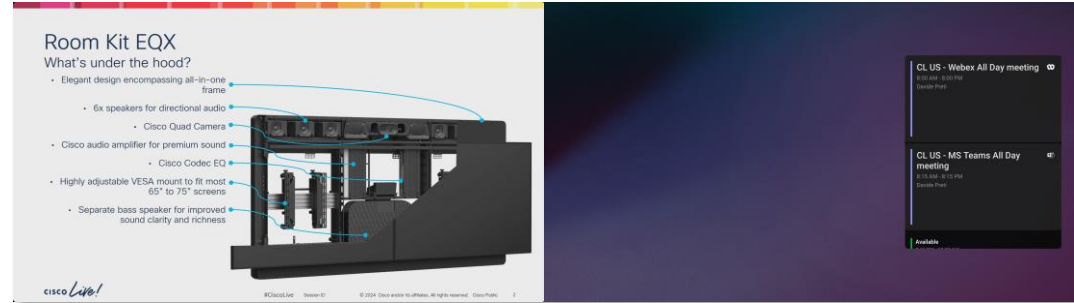


4k previews in MTR on Cisco Devices

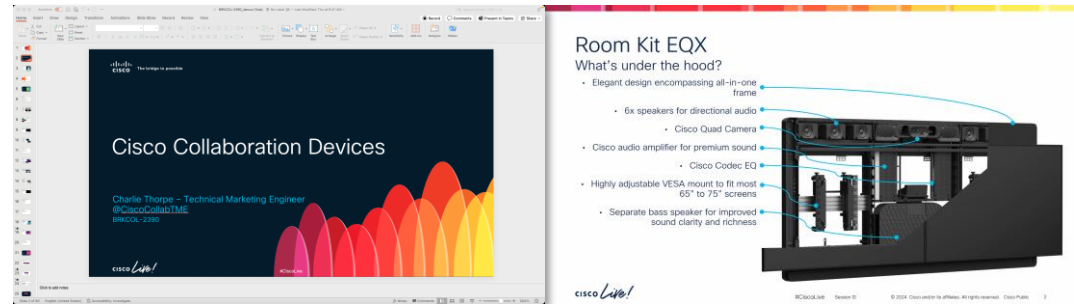
RoomOS June (beta)

- 4k local share/preview handled by RoomOS layer of MTR device
- Board Pro and Desk Pro
 - 4k content share to screen (out of call)
 - Touch redirect supported when used with Windows PC
- Bar, Bar Pro, EQ, EQX and Codec Pro
 - 4k content to one, two or three screens (out of call)
 - Multisource – view up to 3 different sources across screens

Microsoft Teams Share in MTR mode



RoomOS Share in MTR mode



RoomOS July

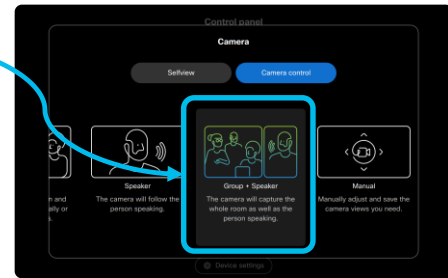
- Hotdesking on Board series
- Multi-camera Group and Speaker View (beta)
- Multi-camera Speaker View
- AirPlay pairing pin in pip (beta)

Multi-camera Group and Speaker View

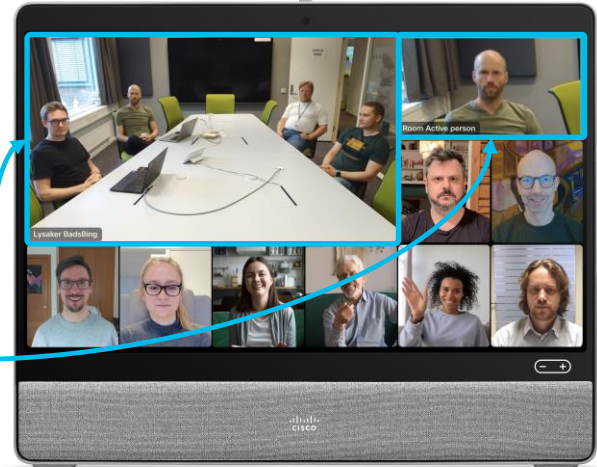
RoomOS July (beta)

- Designed to provide a 'group' view of the space plus an additional stream with the active speaker.
- Supported initially on Cisco Bar Pro and Board Pro G2
- Support only within Webex meeting on devices
 - Cloud registered
 - Webex Edge for Devices with Optimized Join
 - Webex app support expected later this calendar year

Sending side activation



Receiving side:
Group view
Active speaker



AirPlay pairing pin in pip

RoomOS July (beta)

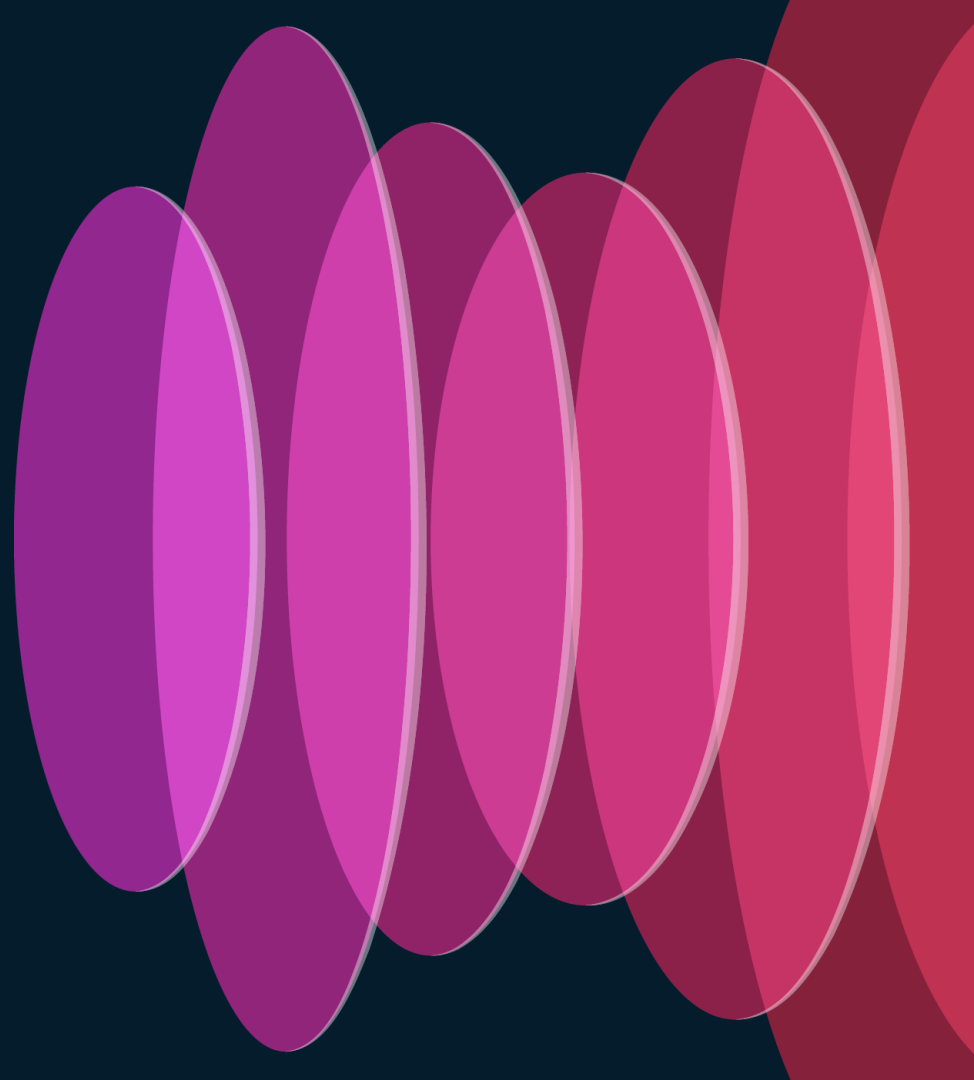
- AirPlay PIN challenge
 - Appears as smaller PIP when trying to share.
 - Prior to this enhancement, the PIN challenge would display full screen.



Coming to Beta channel

- Multi-camera Speaker View (expected beta June)
- Group and Speaker (expected beta July)
- Microsoft Teams Panel on Wall Navigator
- Microsoft Teams Display on Desk Pro

Cisco Collaboration devices



Cisco Desk Series



Desk Mini

Entry-level, portable all-in-one for the home

Desk

Premium experience built to scale

Desk Pro

Our flagship device for the high-end experience

Cisco Board Pro Series



Board Pro 55 G2 and Boar Pro 75 G2

Wall mount, floor stand or floor stand with wheels

Cisco Room Kit Series



PTZ4K



Quad Camera



Room Kit



Room Bar

Room Kit Series

A portfolio of purpose-built video bars and collaboration kits powering modern workspaces

Codec Pro



Codec EQ



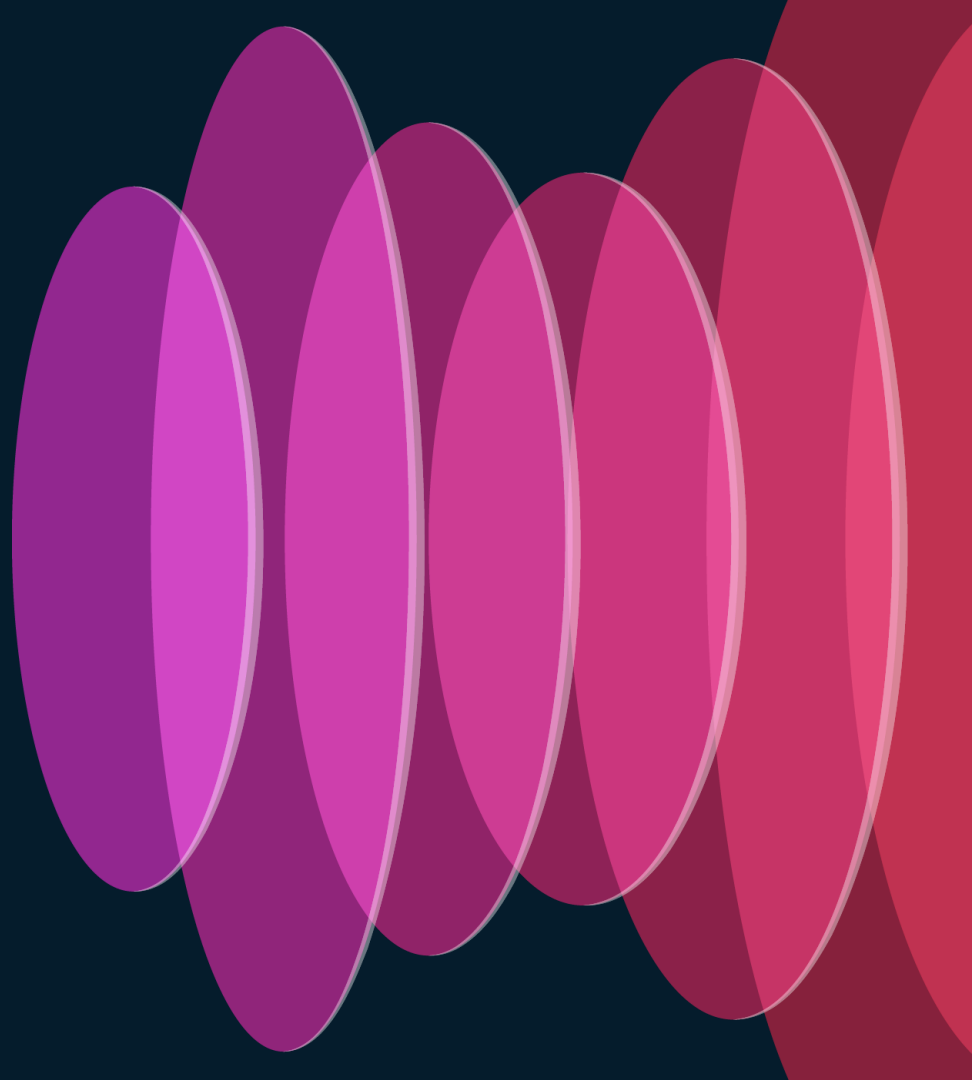
Codec Plus



Cisco Room Kit EQX



Cinematic Views



Cinematic Meetings Experience

Meeting zones

Enable distraction-free meetings in glass-walled meeting rooms by only framing and tracking people within predefined perimeters



Multi-camera speaker view

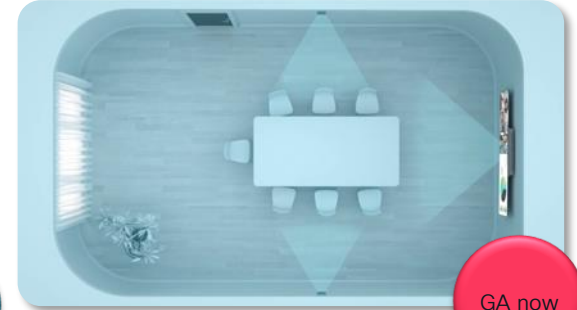
Dynamic switching between the built-in camera system and the PTZ 4K Camera for extended reach and high-quality framing



In beta soon

Multi-camera cross-view

Show the best view of in-room participants across the table through adaptive, AI-directed framing for true-to-life meetings.



GA now

Cinematic Meetings Experience

Presenter & audience view

Run engaging local, remote and hybrid sessions with AI presenter tracking, camera switching and multi-stream video intelligence



GA
now

Frames & people focus

Ensure everyone is equally seen in the meeting with AI people cropping and augment the experience with intelligent video layouts on Webex



GA
now

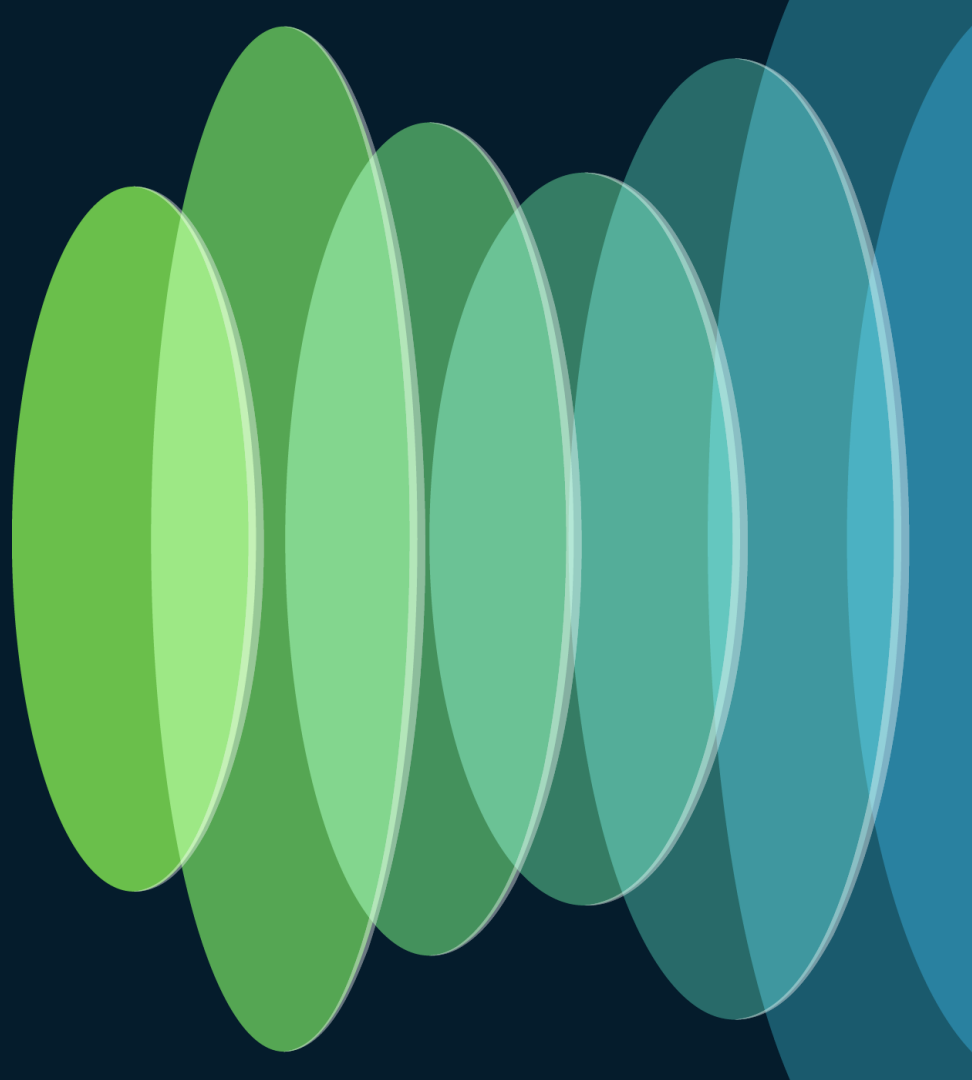
Campfire

Bring an inclusive experience to executive meetings with a purpose-designed setup with multiple codecs, cameras and screens.



GA
now

Cross-View



Cinematic Meetings

Multi-camera Cross-view

- Quad Camera and PTZ4K camera setup
- Switching between main and sides
- Codec EQ based systems
- Table Microphone Pro required



Cinematic Meetings

Cross-view

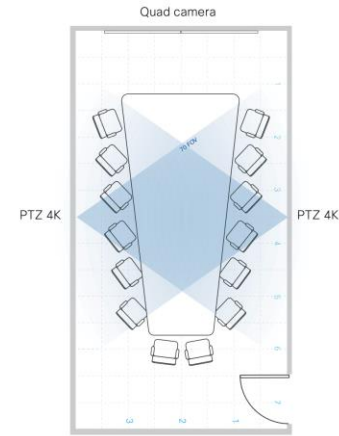
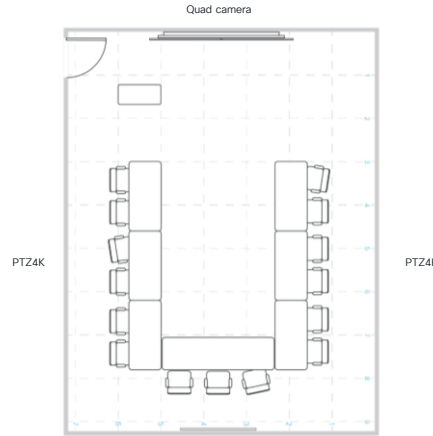
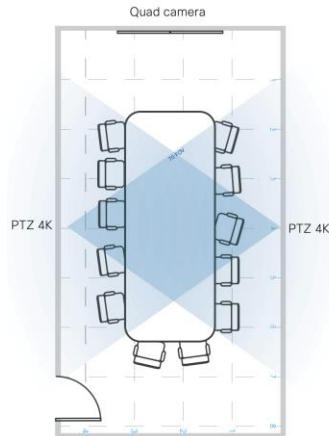
- “Main” quad camera at the front of the room
- Two PTZ 4K “side-cameras” covering the long edges of the meeting room table
- “Array” of Table Microphone Pros
- Automatically select a crop that captures the active speaker and other in-room participants in the best way based on the available camera views and in-room audio
- RoomOS and MTR mode

Additional note: It will soon be possible to nominate one of the Cross-View cameras to also support Presenter (PresenterTrack)



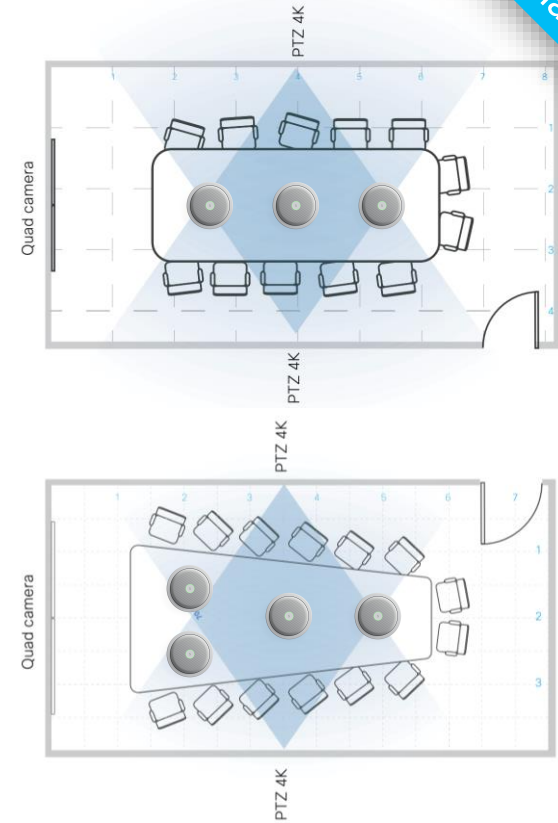
Recommended room layout

- Long and narrow conference rooms
- Designed for inclusive hybrid meetings
- Capture discussions happening across the table
- PTZ4K will use digital PTZ to frame speakers
- **No** physical movement
- Side cameras



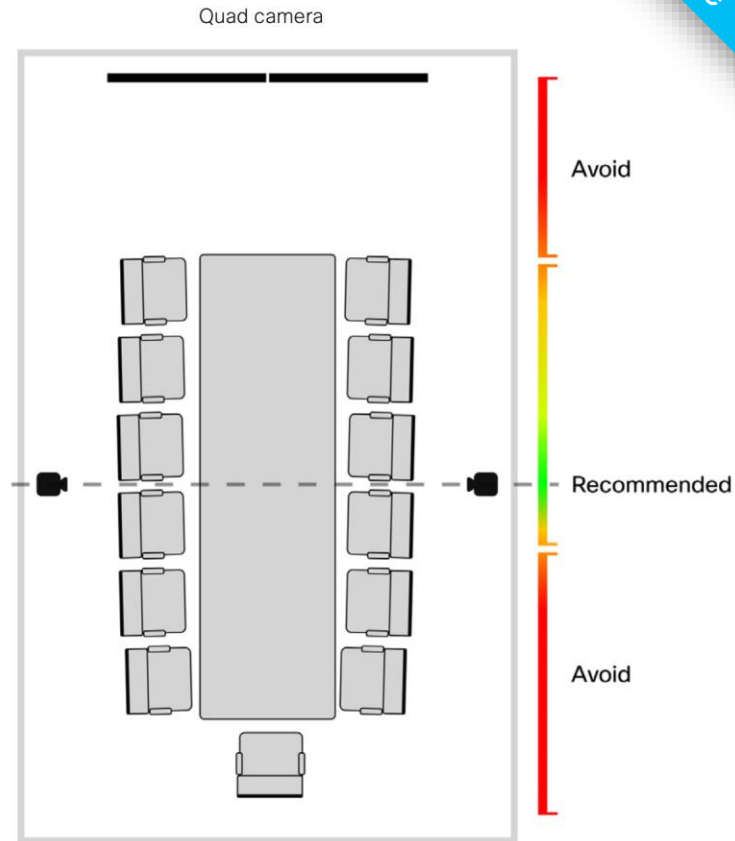
Recommended room layout

- Recommend 3 to 6 Table Microphone Pro's depending on the table width
- For tables wider than 1.8m/5.9', consideration should be given to adding two 'lanes' of microphones



Camera placement

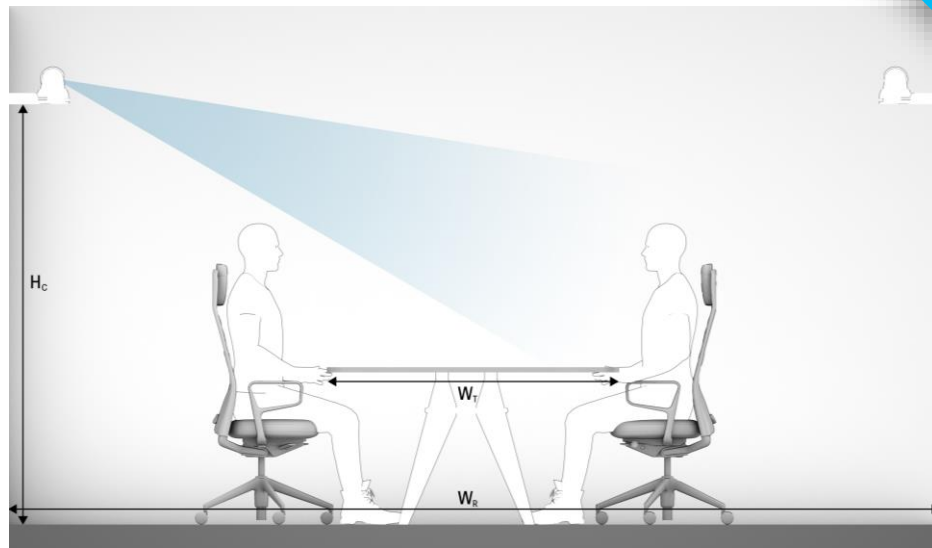
- PTZ4K should be centered on the length of the table
 - Center line perpendicular to the 'long' edge of the table
- In-room participants must be positioned within the FoV of the Quad Camera and one of the two PTZ4K side cameras



Camera placement

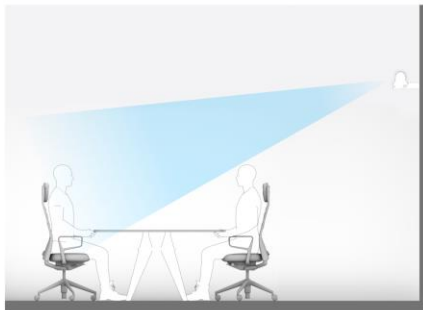
- Four parameters that must be considered:
 - FoV of the side cameras
 - PTZ4K: 70° HFOV, 43° VFOV
 - Width of meeting room (W_R)
 - Width of table (W_T)
 - Mounting height of the side cameras*

* For ADA-compliance, side camera must be mounted higher than 8' (H_C)

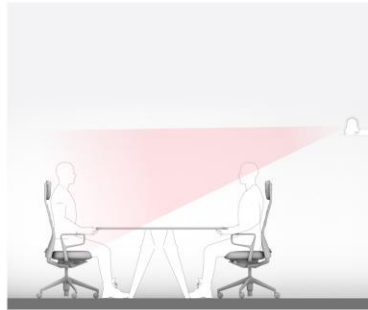


Room width (W_R)	Table width (W_T)	Camera height (H_C)
4.5 m / 14.5'	1.8 m / 5.9'	2.03 m / 79.92"
4.5 m / 14.5'	1.5 m / 4.9'	2.1 m / 82.68"
6.0 m / 19.7'	1.8 m / 5.9'	2.2 m / 86.61"

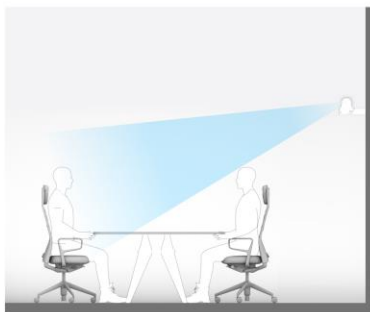
Camera placement



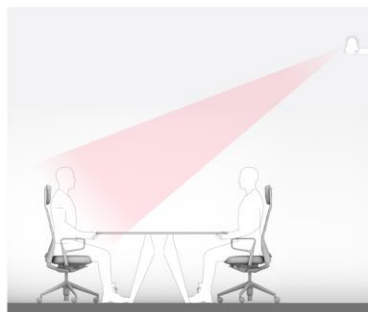
Wide room



Too low



Narrow room



Too high

Required equipment

Cisco equipment:

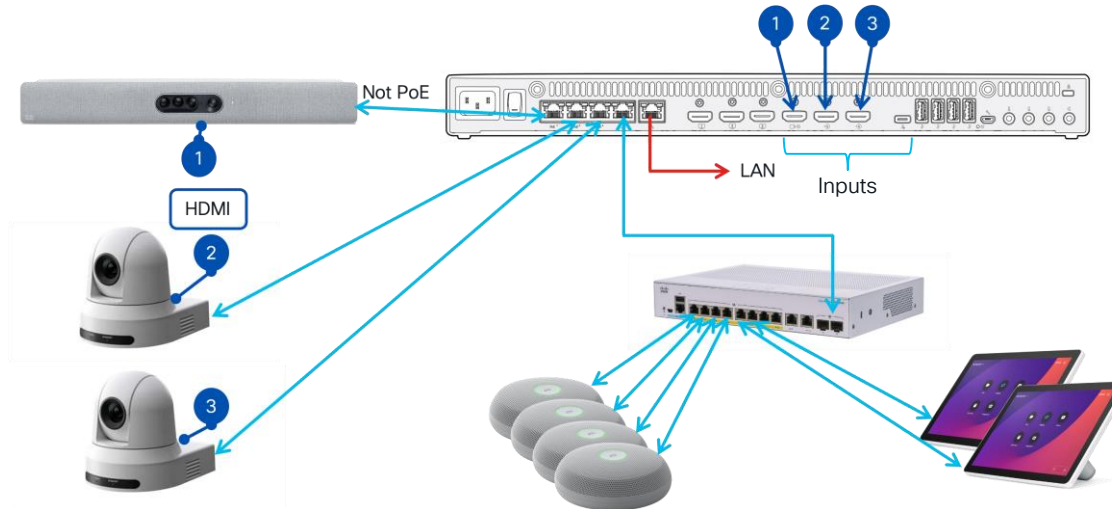
- 1 x Codec EQ (or EQX) system
- 1 x Quad Camera (main camera)
- 2 x PTZ4K (side cameras) with mounting brackets
- 3-6 Table Microphone Pro for voice pickup and audio triangulation
- AV Integrator License key (if more than 3 Table Microphone Pros are needed)

Additional equipment

- 1 x PoE+ enabled switch (expansion of EQ's link-local network)
- 2 x 4K HDMI cables to connect PTZ4K cameras to EQ/EQX

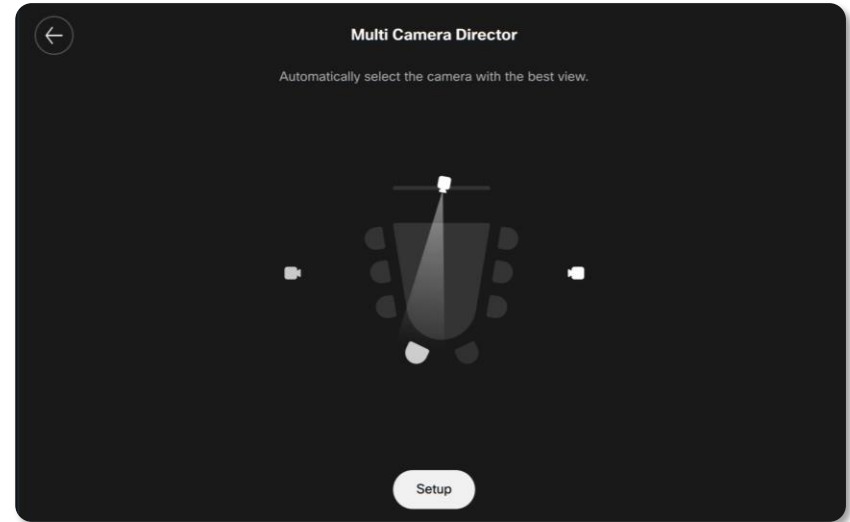
Connections

- Only USB-C available for wired sharing as all HDMI inputs are used for camera inputs
- Need external PoE/PoE+ switch to extend number of link-local ports for Navigators, Table Microphone Pro...



Software setup

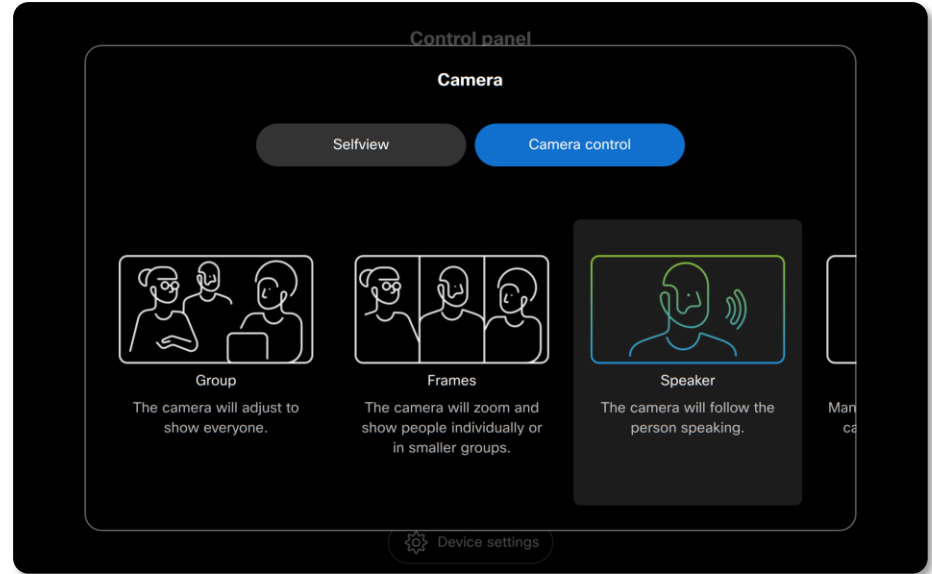
- Software setup is completed through a wizard on the Room Navigator
- Cross-view features will have the option of being enabled/disabled from the camera settings options on the Room Navigator



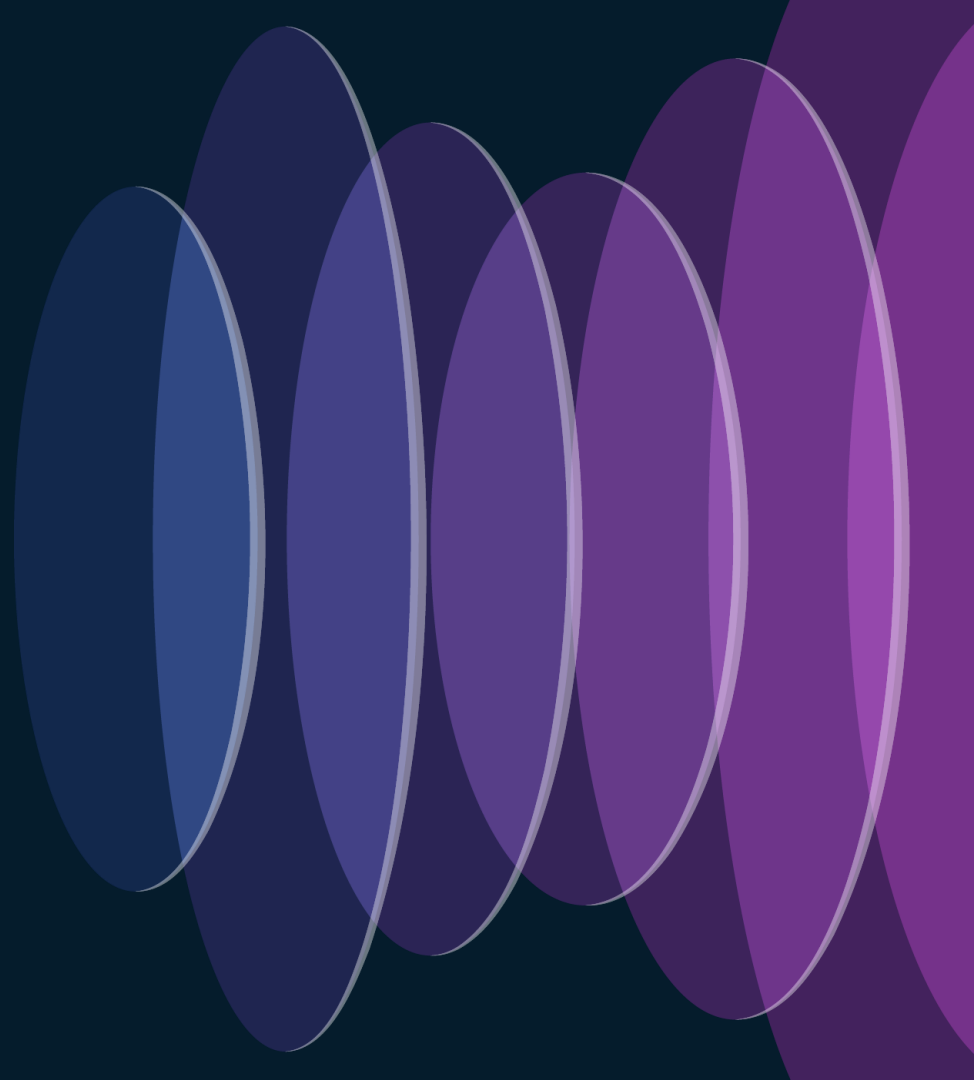
Cross-View

Feature enablement

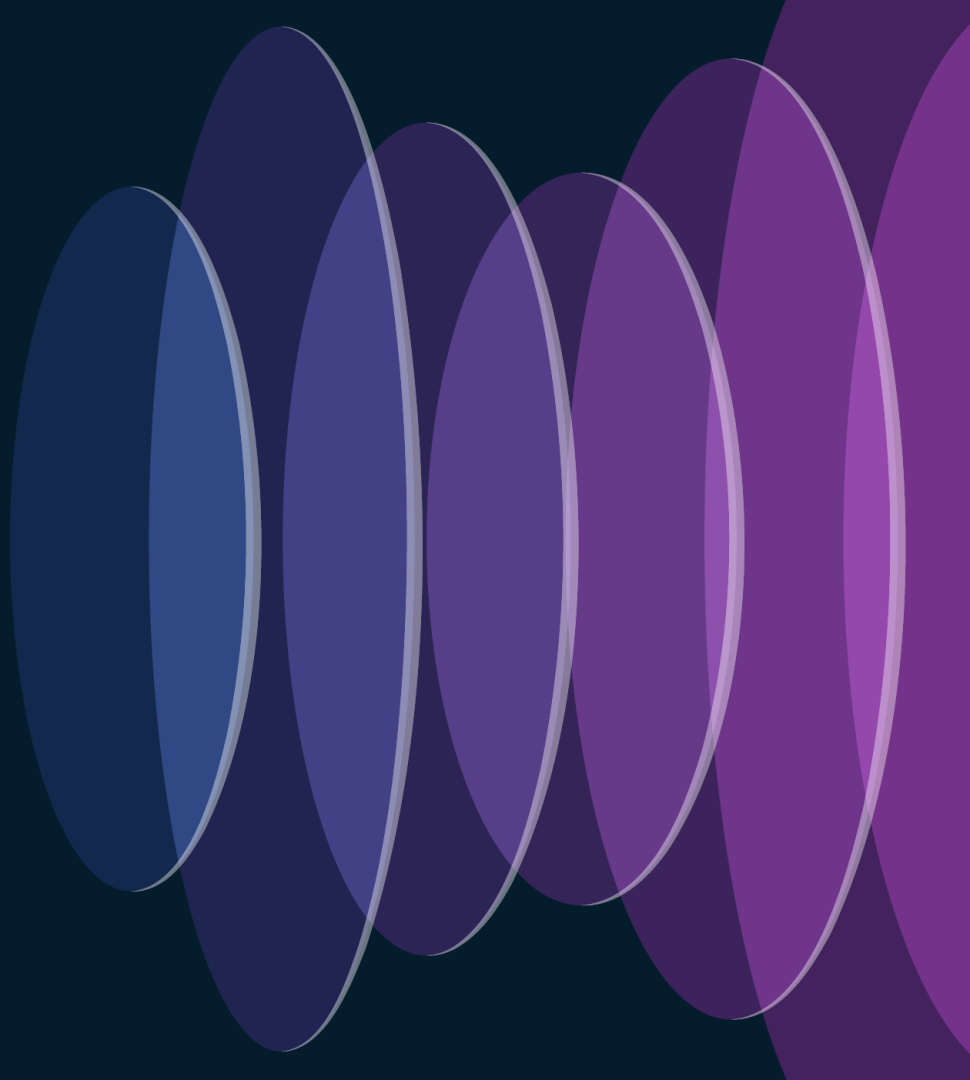
- Cross-View will automatically be enabled when 'Speaker' mode is enabled
- Camera feed will automatically switch between Quad Camera and PTZ4K's depending on where the active speaker is facing.
- If Presenter (PresenterTrack) is also configured, Presenter button will move nominated PTZ4K to Presenter preset position.
- Selecting Speaker will return camera to Cross-View preset position



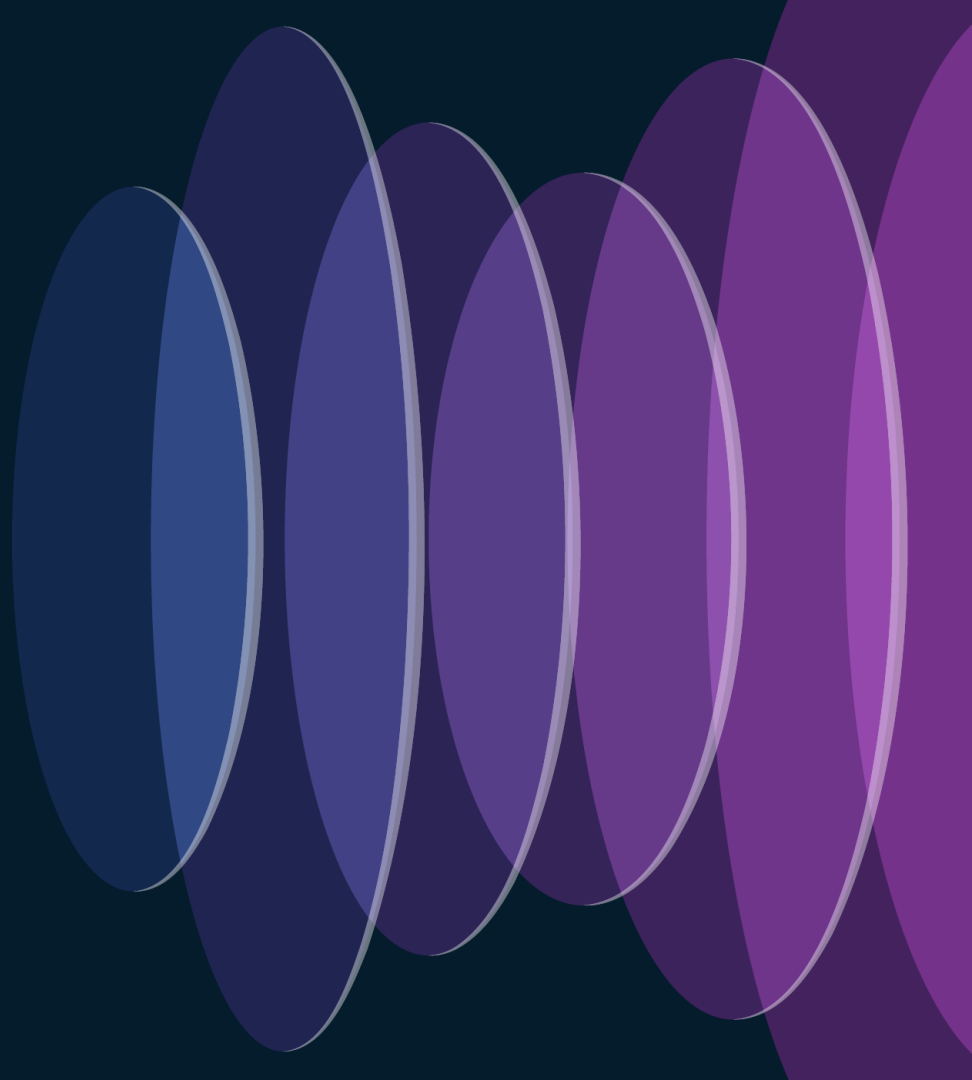
But wait...



...there is more...



...coming to a
beta system
near you soon...

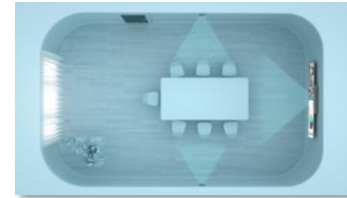


Cross-view hot off the press

- Support to be added to the Codec Pro for Cross-View
- Support to be added for side mounted Quad Cameras (instead of the PTZ4K) – No audio from side Quad Cameras
 - Supported with Codec EQ/EQX and Codec Pro
- Codec Pro to also support Cross-View with side Quad Cameras combined with Extended view with PTZ4K
 - Not supported with Codec EQ/EQX
- Expected to be:
 - Beta in June/July 2024
 - GA in August 2024

Cross-view

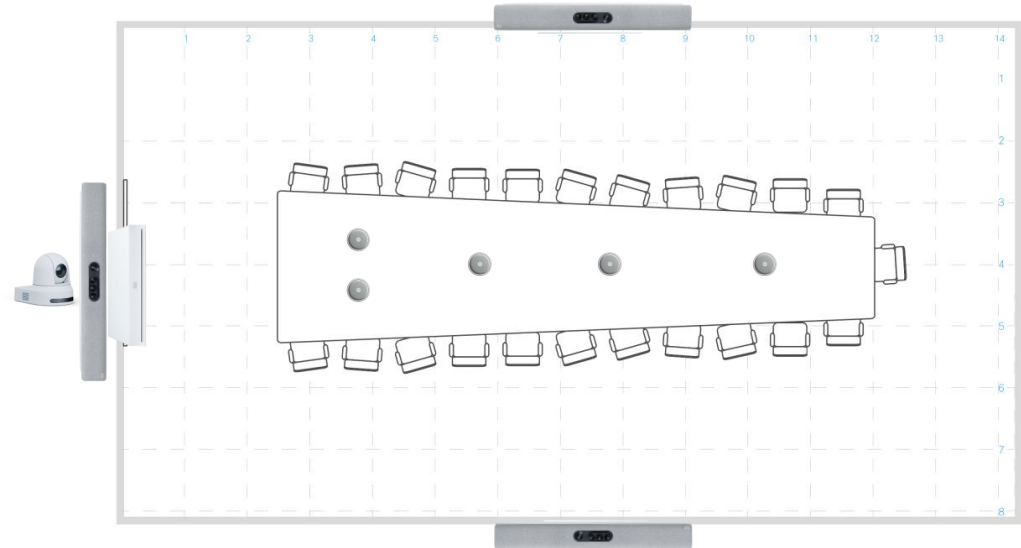
- Cisco Equipment:
 - 1 x Cisco Codec EQ or Codec Pro
 - Codec Pro is required when cross-view and Multi-camera Speaker view is combined.
 - 3 x Quad Camera
 - Front camera only one to provide audio
 - 1 x PTZ4K
 - Codec Pro is required when fours cameras are needed.
 - 3-8 Table Microphone Pro
 - AV Integrator Key will be needed on Codec EQ systems to allow between 4-8 Table Microphone Pros to be connected
 - Additional switch(s) will be needed to extend Link Local Network and provide PoE support



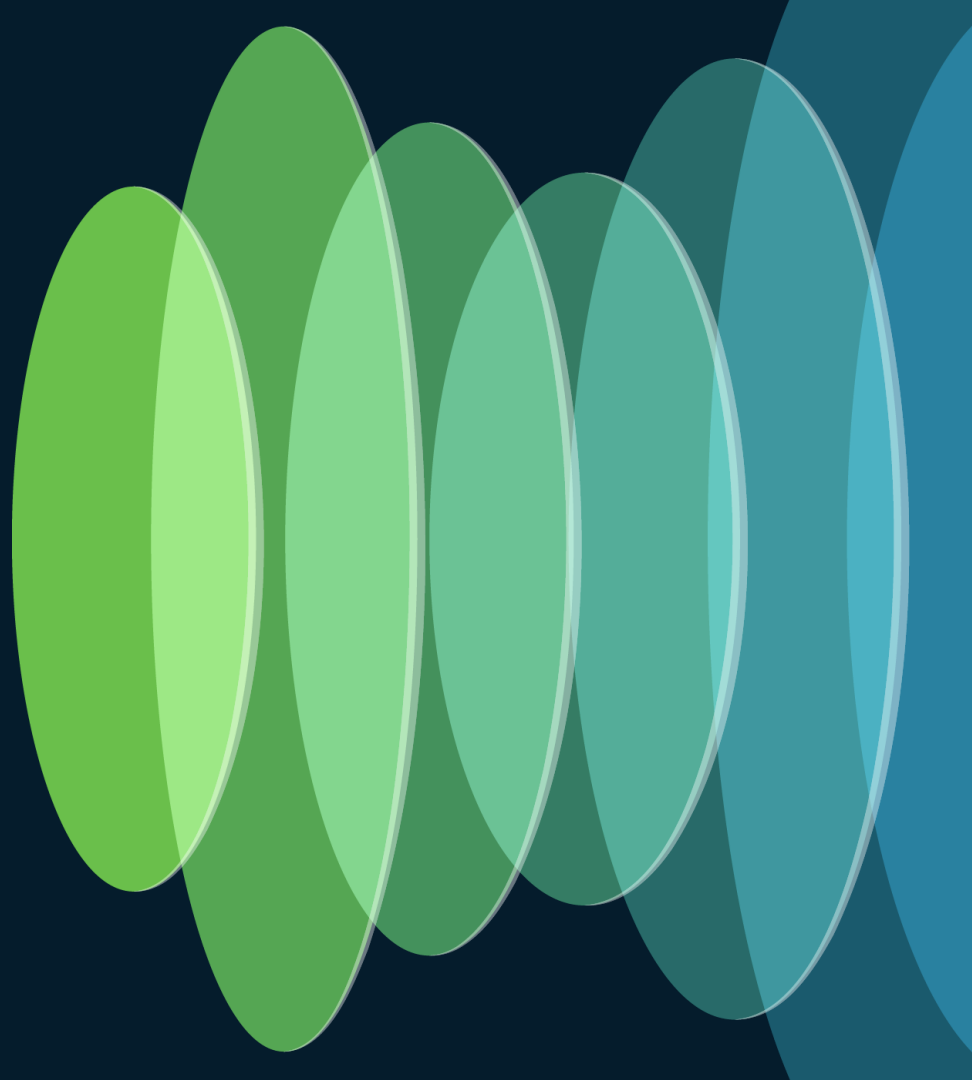
Cross-view



Speaker view



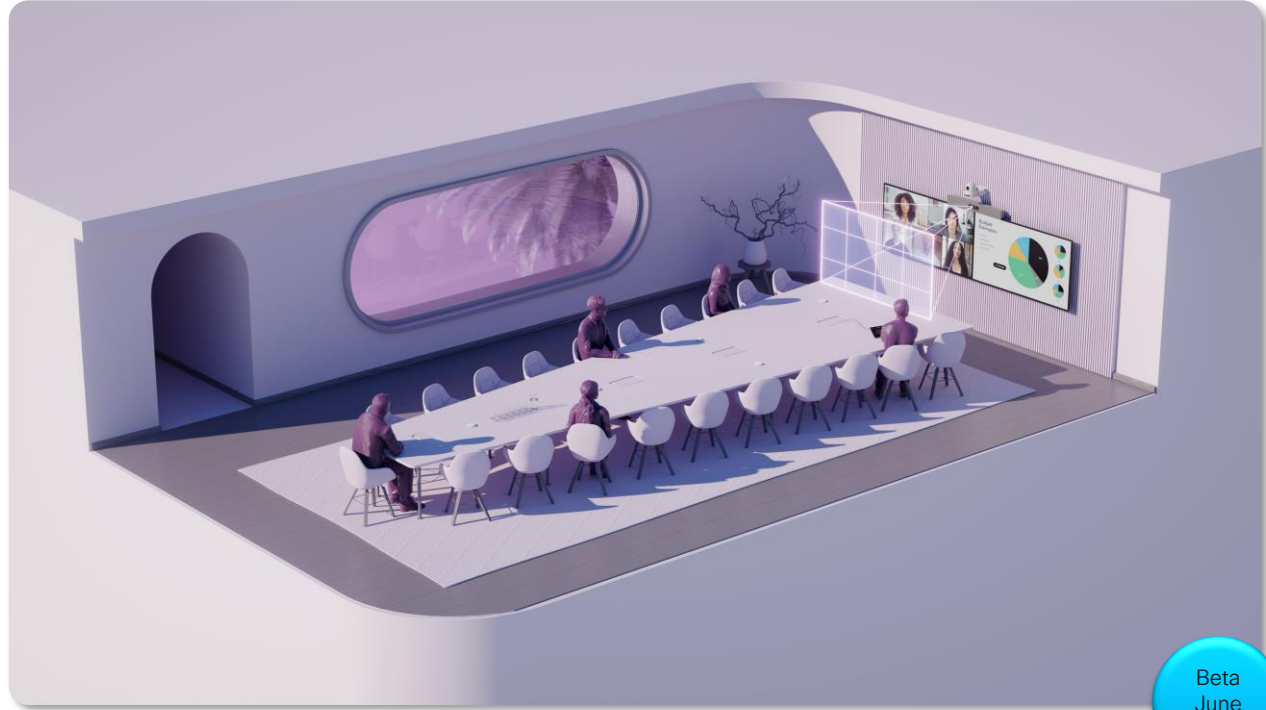
Multi-camera Speaker View



Cinematic Meetings

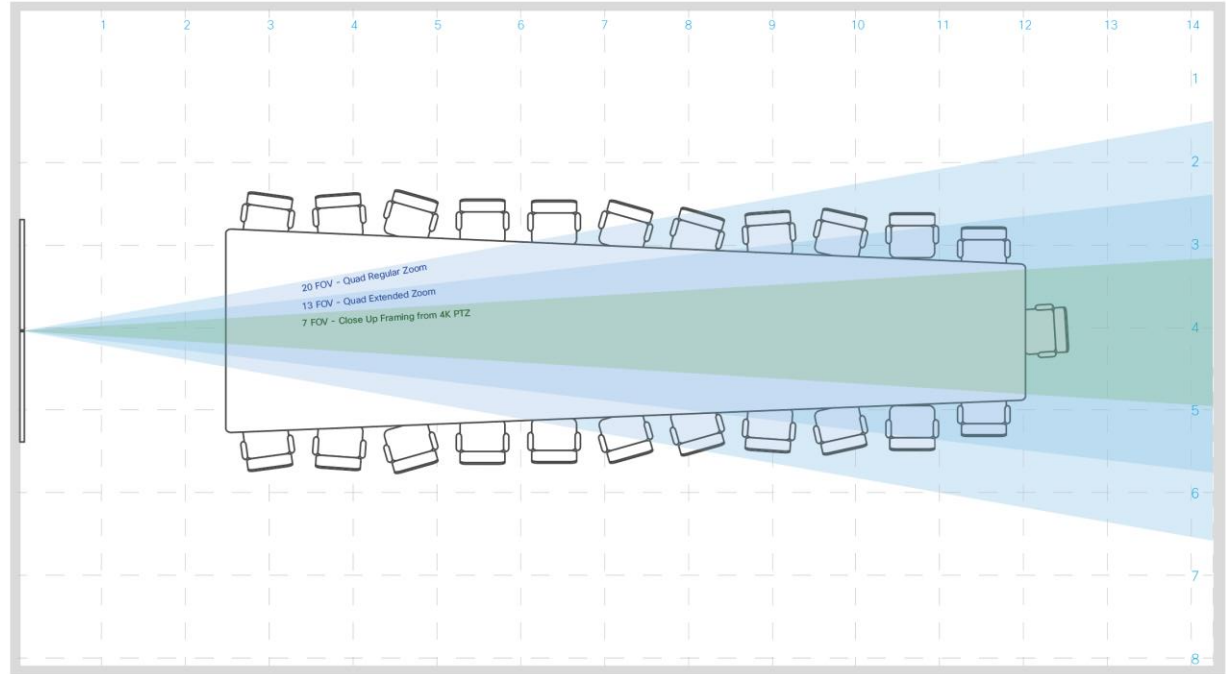
Multi-camera Speaker View

- Also known as Extended Speaker
- Quad Camera and PTZ4K will work together to switch between each other.
- Codec Pro and EQ based systems only.
- Table Mic Pro to extend Speaker Track pickup area



Reach/Performance

- Reach of extended speaker tracking depends on room acoustics and also light conditions.
- Illustration (right) visualizes the horizontal field of when:
 - Quad Camera is digitally zoomed in, standard mode ~ 20°
 - Quad Camera is digital zoomed in, extended zoom range is enabled ~ 13°
 - PTZ4K is 11x optically zoomed in ~ 7°
 - Max optical zoom is 20x



xConfiguration Cameras SpeakerTrack ZoomRange: Extended

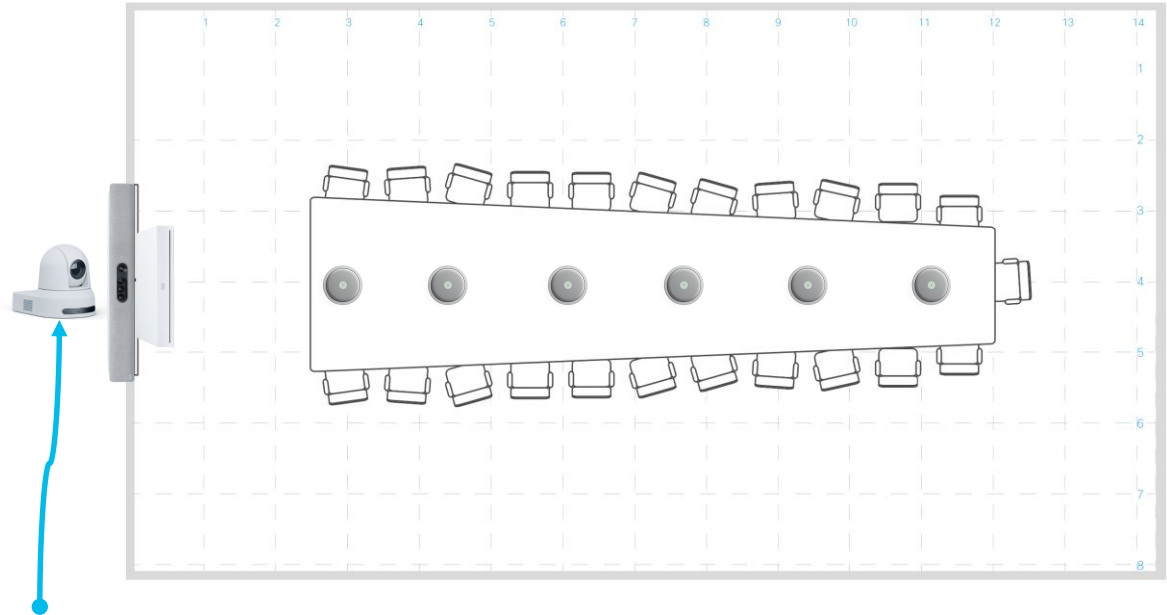
Quad Camera with extended zoom enabled will increase max. digital zoom with 1.5x from 2.7x (1080p) to 4x (720p)

Setup

Equipment

- 1 x supported codec
 - EQ/EQX
 - Codec Pro
- 1 x Quad Camera
- 1 x PTZ4K
- 3-6 Table Microphone Pro (for voice pickup and audio triangulation). Final number subject to change
- AV Integrator license key (EQ/EQX only) – required for more than 3 Table Mic Pro's to be connected to the EQ/EQX

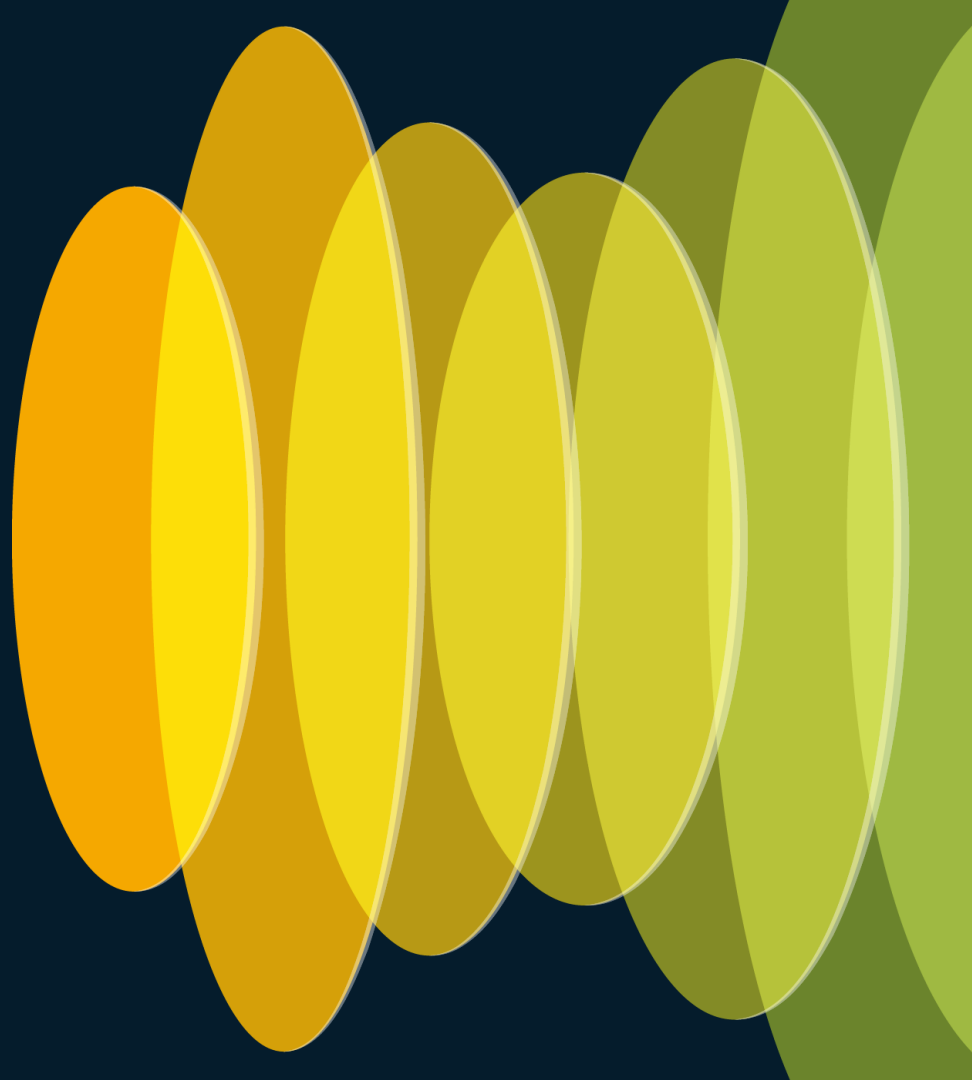
Example Room Configuration



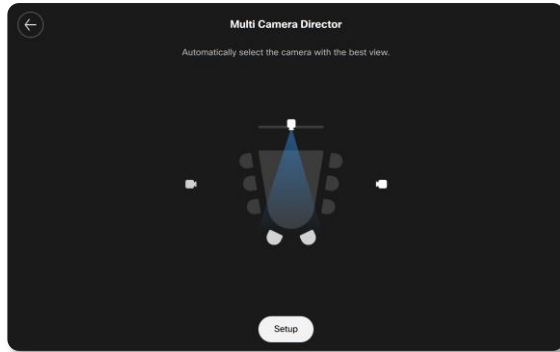
Quad Camera with PTZ4K
centrally mounted above

Exact placement of PTZ4K and Table Microphone Pro's TBC

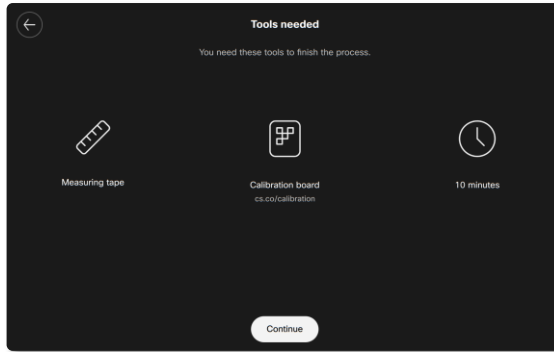
Multi-camera Speaker View setup



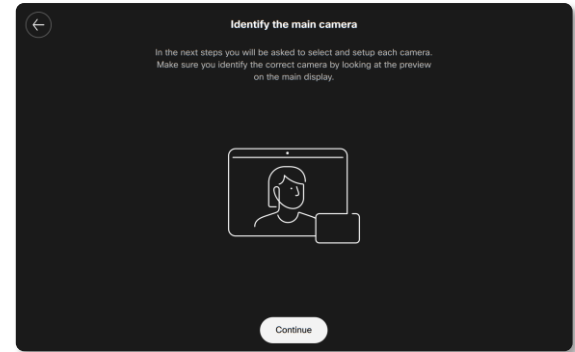
Multi-camera Speaker View setup wizard



Wizard to guide through setup process

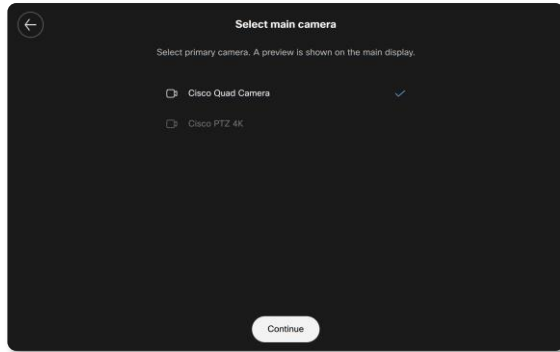


Provide information relating to tools required

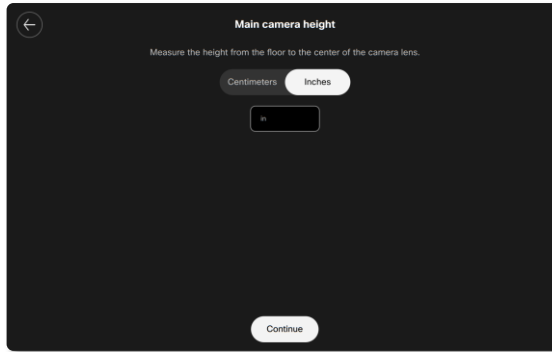


Begin the setup

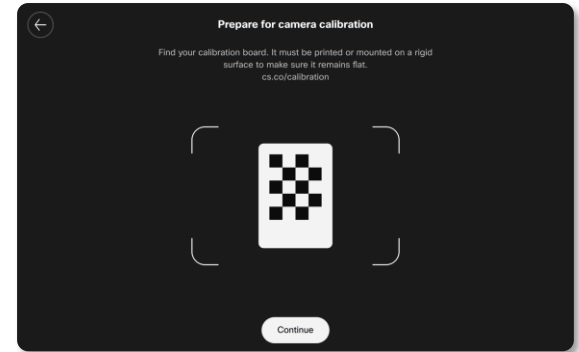
Multi-camera Speaker View setup wizard



Identify main camera source
(Quad Camera)



Configure height from finished
floor level to center of lens.
Repeat for second camera.



Calibration card needed for
setup

Multi-camera Speaker View & Cross View

Calibration board

- Required for Multi-camera Speaker View and Cross-View
- All cameras need to see board to be able to accurately calibrate
- cs.co/calibration
- [Calibration Board](#)



Cameral Calibration Board

Best Practices

- Both cameras need to be able to see the board. Check what is seen on screen.
 - When taking calibration images, calibration card must be at least 30cm/12in away from the position it had in any previous calibration photo to be valid.
- Cameras will not calibrate correctly/not at all if board is not printed correctly.
- Measurements for height of calibration card need to be correct to ensure correct calibration.
- Calibration board should be affixed to a solid backer – holding the piece of paper can lead to failure!
- Two people are better than one!

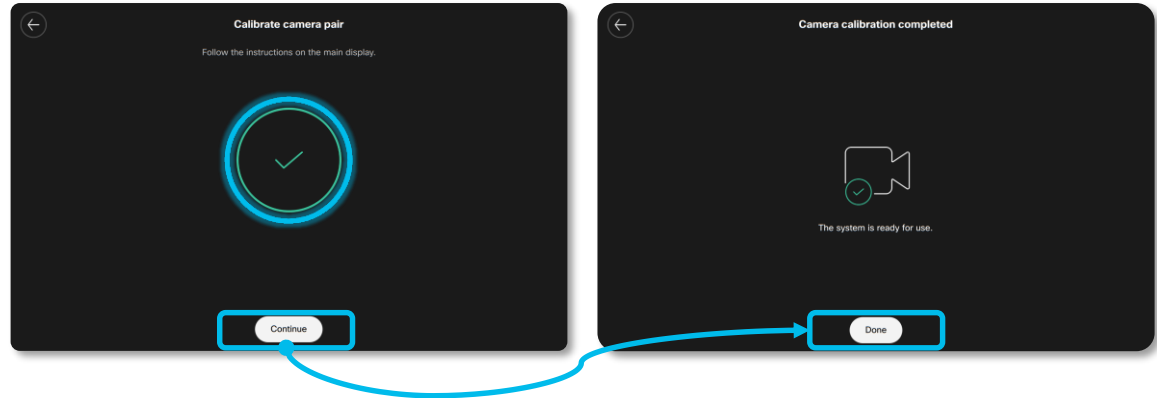
Multi-camera Speaker View setup wizard

- Five images in total are needed with the calibration board in different place each time.
- Live camera feed seen from both cameras to aid calibration board positioning
- Images accepted will start to turn the segments blue.



Multi-camera Speaker View setup wizard

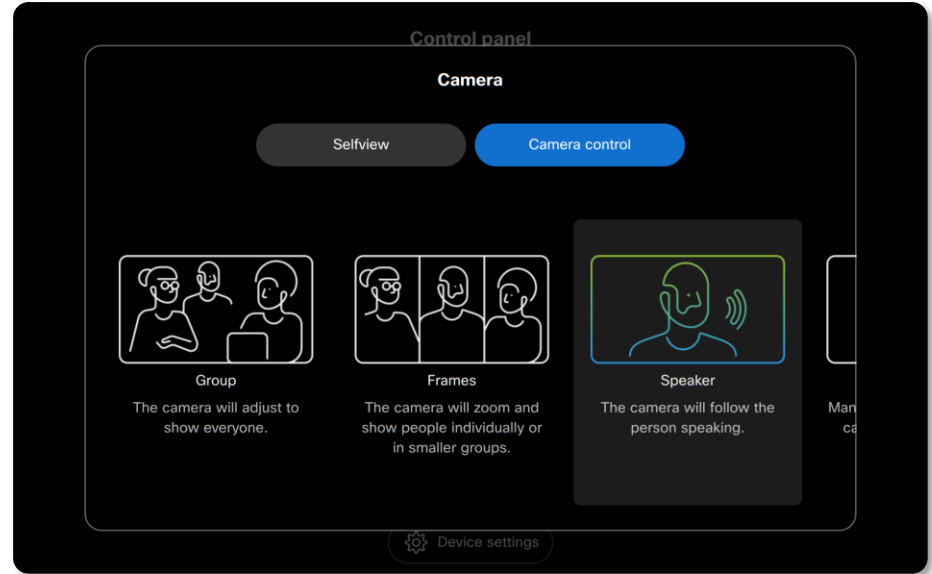
- Once five successful images captured, Navigator will update.
- Multi-Camera extended speaker view is now ready



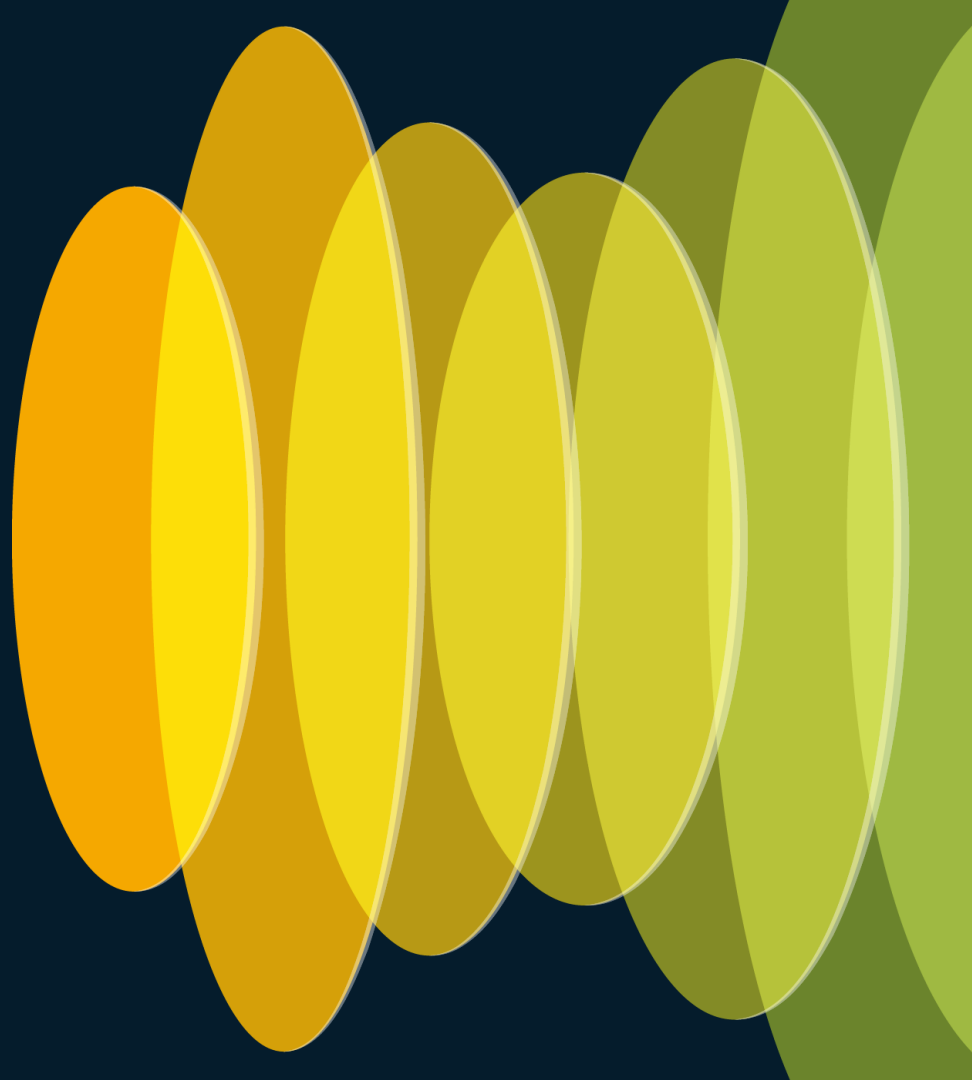
Multi-camera Speaker View

Feature enablement

- Multi-camera extended speaker will automatically be enabled when 'Speaker' mode is enabled
- Camera feed will automatically switch between Speaker view from Quad Camera and Extended Speaker view from the PTZ4K



SpeakerTrack using external microphones



Multi-camera Speaker View

SpeakerTrack with external microphones

With the introduction of Multi-camera Speaker View, there is now the option to increase the room length by combining the use of the Cisco Quad Camera and the Cisco PTZ4K.

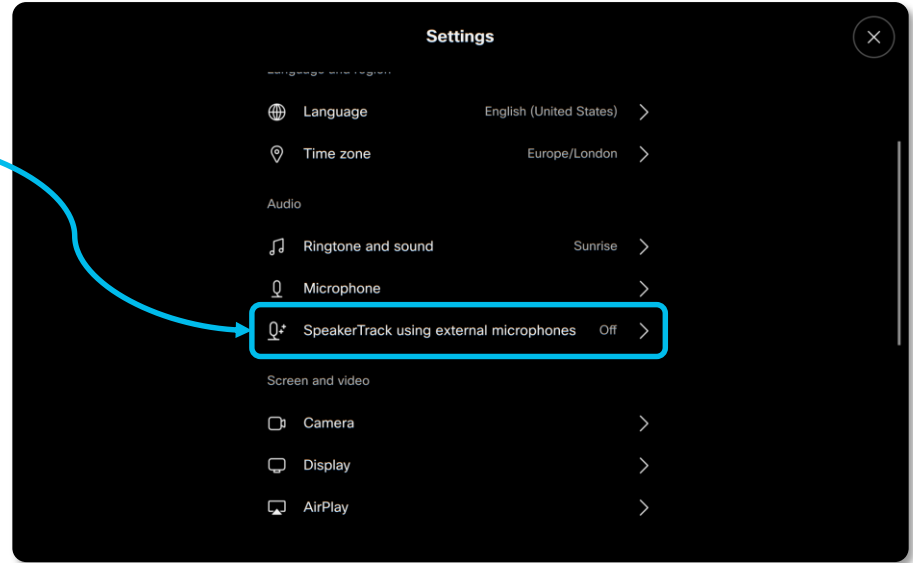
There is still a limitation or around 9 meters/29 ft for integrated SpeakerTrack microphone array.

To solve for the potential issue where distance exceeds the range of the integrated mic array, Cisco Table Microphone Pros can also be leveraged to assist with SpeakerTrack detection in excess of the above limit.

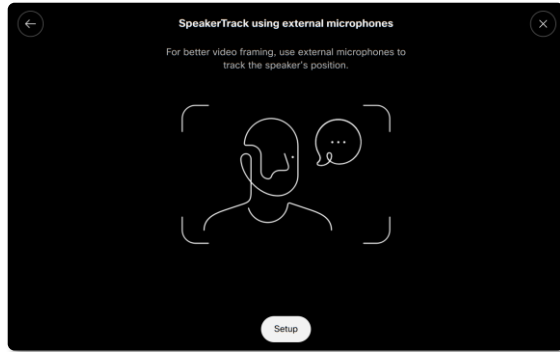
SpeakerTrack setup wizard

Initial setup

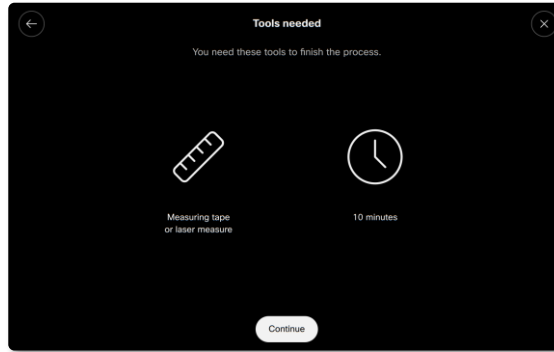
- Available only from new Settings menu UI
- SpeakerTrack using external microphones will indicate either:
 - Off – needs to be configured or turned off
 - On – configured and running
- Please note, Multi-camera Extended Speaker view needs to be configured first before attempting SpeakerTrack setup!



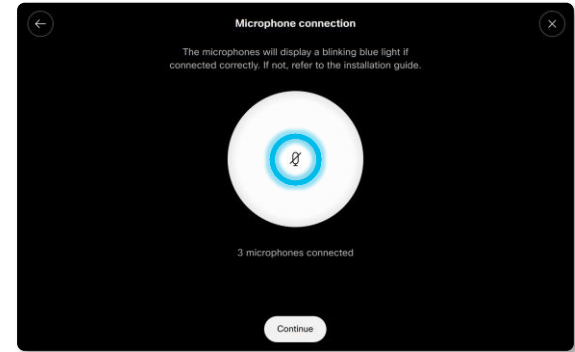
SpeakerTrack setup wizard



Wizard to guide through setup process



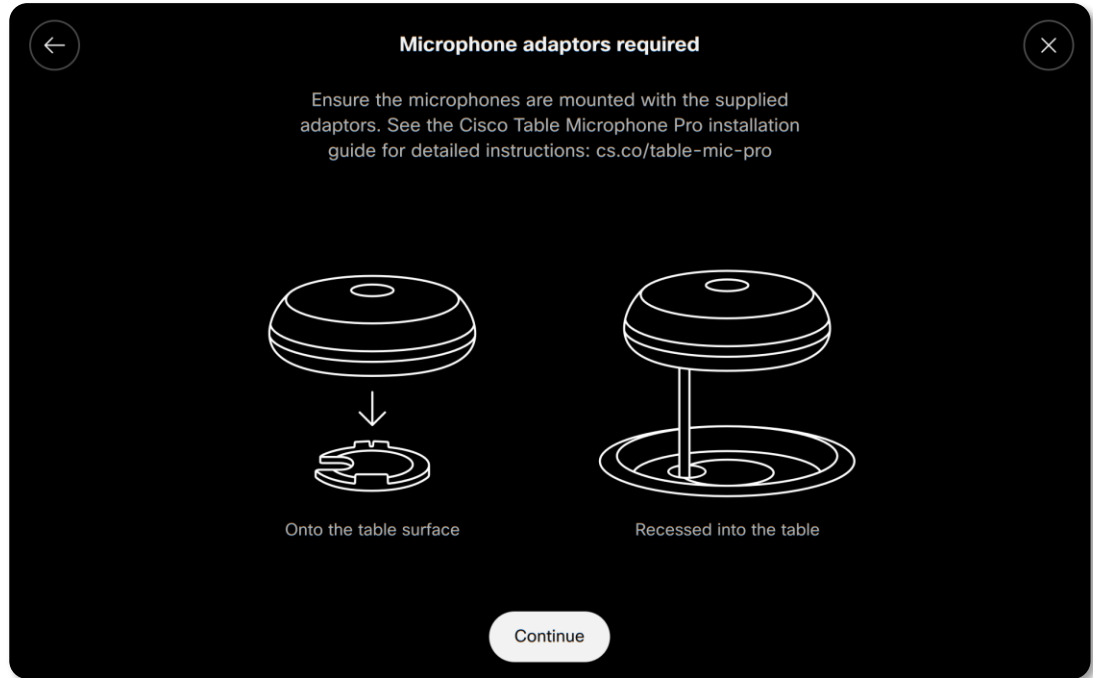
Provide information relating to tools required



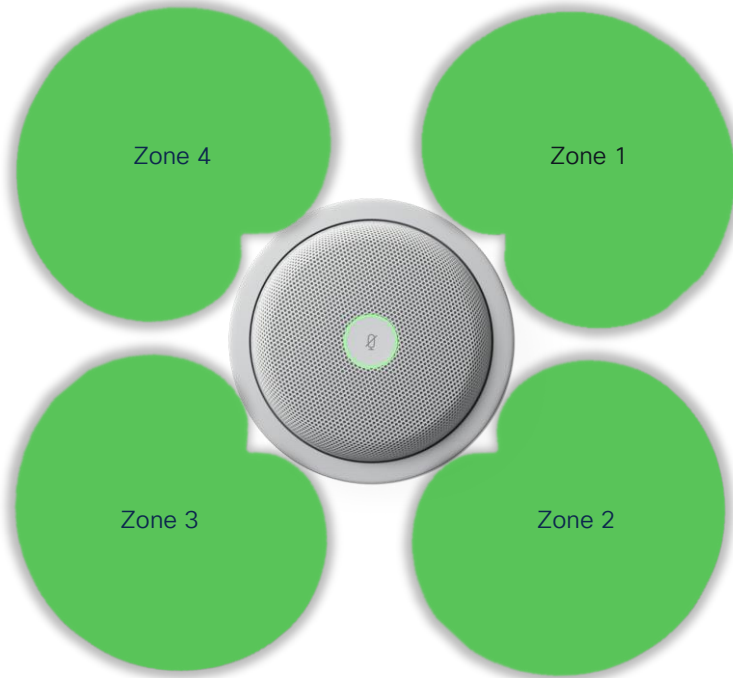
Information relating to how many Table Mic Pros detected (all detected will flash blue ring)

Table Mic Pro best practices

- Table Mic Pro is directional
- Make sure to use the adhesive magnetic mounts or recessed into the table
 - 18mm or 23/32" hole for cable exit
 - 105mm or 4 1/8" hole for recessed mount



Cisco Table Microphone Pro

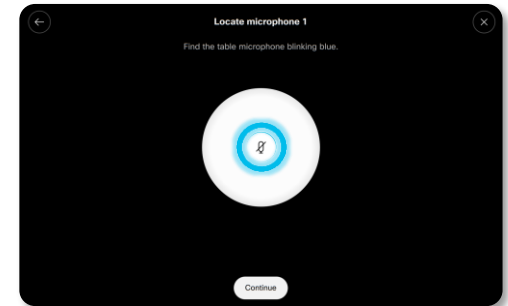
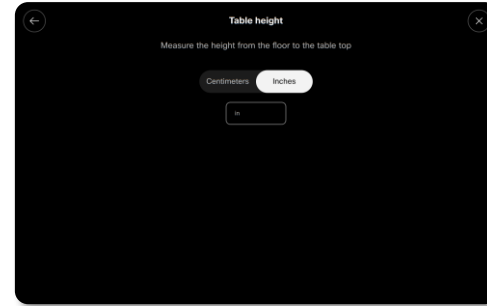


Some important details:

- The four pickup zones are orientated in a clock-wise fashion from where the cable connects to the microphone with the mute button correctly orientated.
- Each zone can be configured independently (for example you might want to disable zones 3&4)
- The Table Mic Pro send back one (1) AES67 stream with four (4) channels to the codec.

SpeakerTrack setup wizard

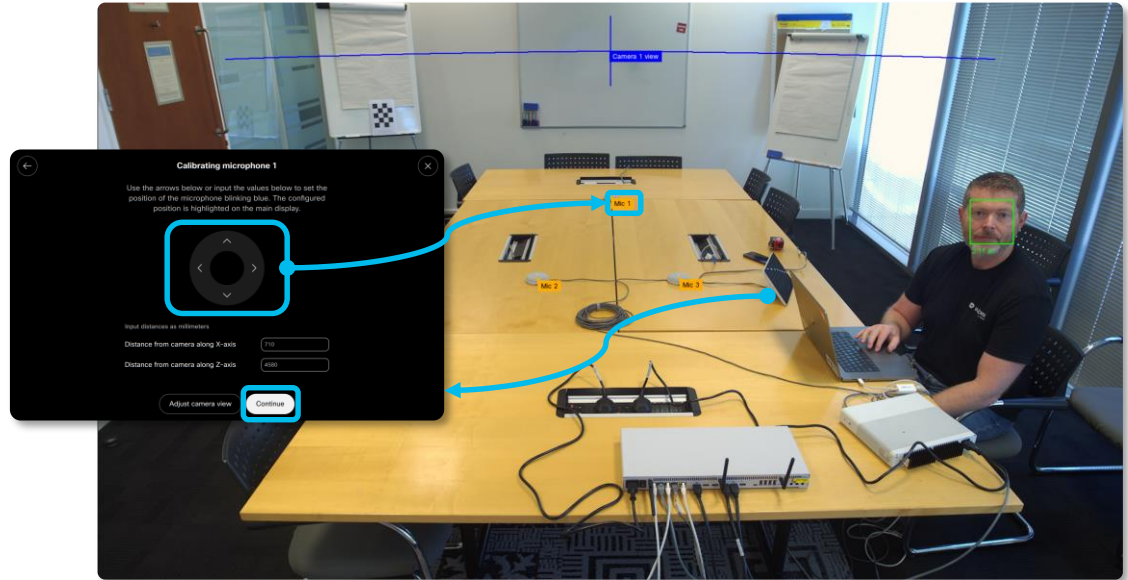
- Height from finished floor to tabletop is required to co-ordinate with Mic Array in Quad Camera
- The following steps will repeat for each connected Table Mic Pro. Individual LED ring will flash to ID



SpeakerTrack setup wizard

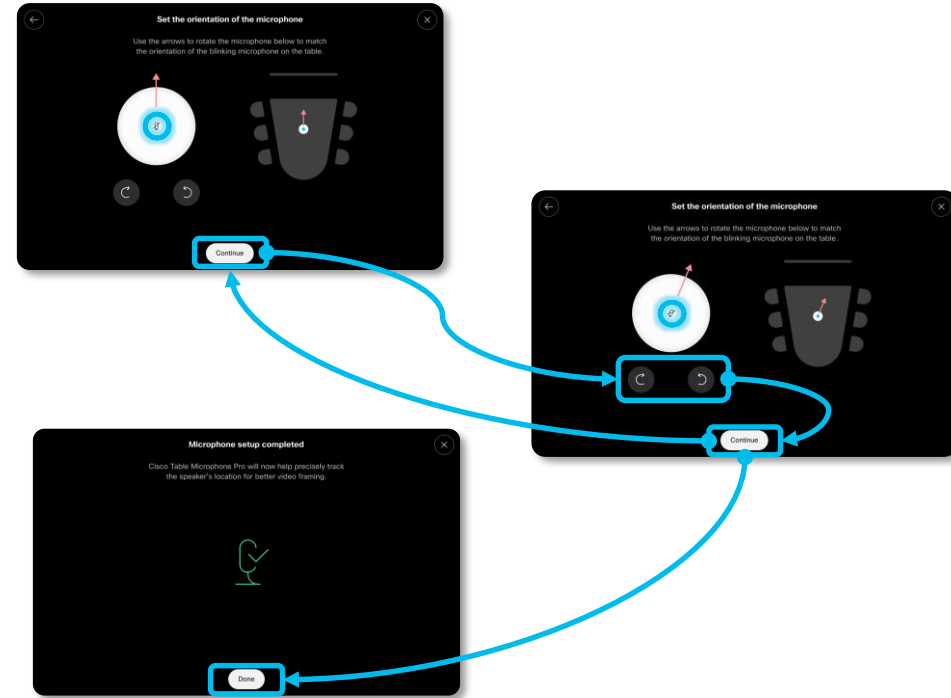
This step will repeat for each connected Table Microphone Pro

1. Identify microphone (flashing LED ring).
2. Use directional pad on Navigator to place Mic ID on Microphone.
3. Feedback given on screen as to location flag (view provided by Quad Camera).



Speaker Track setup wizard

- Directional orientation needs to be configured.
- Orientation can be changed through use of rotate left and rotate right buttons.
- Repeat steps on previous slide and this slide until all Table Microphones Pros are configured and you reach the Completed screen.



Complete Your Session Evaluations



Complete a minimum of 4 session surveys and the Overall Event Survey to be entered in a drawing to **win 1 of 5 full conference passes** to Cisco Live 2025.



Earn 100 points per survey completed and compete on the Cisco Live Challenge leaderboard.



Level up and earn **exclusive prizes!**



Complete your surveys in the **Cisco Live mobile app**.

Continue your education

- Visit the Cisco Showcase for related demos
- Book your one-on-one Meet the Engineer meeting
- Attend the interactive education with DevNet, Capture the Flag, and Walk-in Labs
- Visit the On-Demand Library for more sessions at www.CiscoLive.com/on-demand

Contact me at: chthorpe@cisco.com



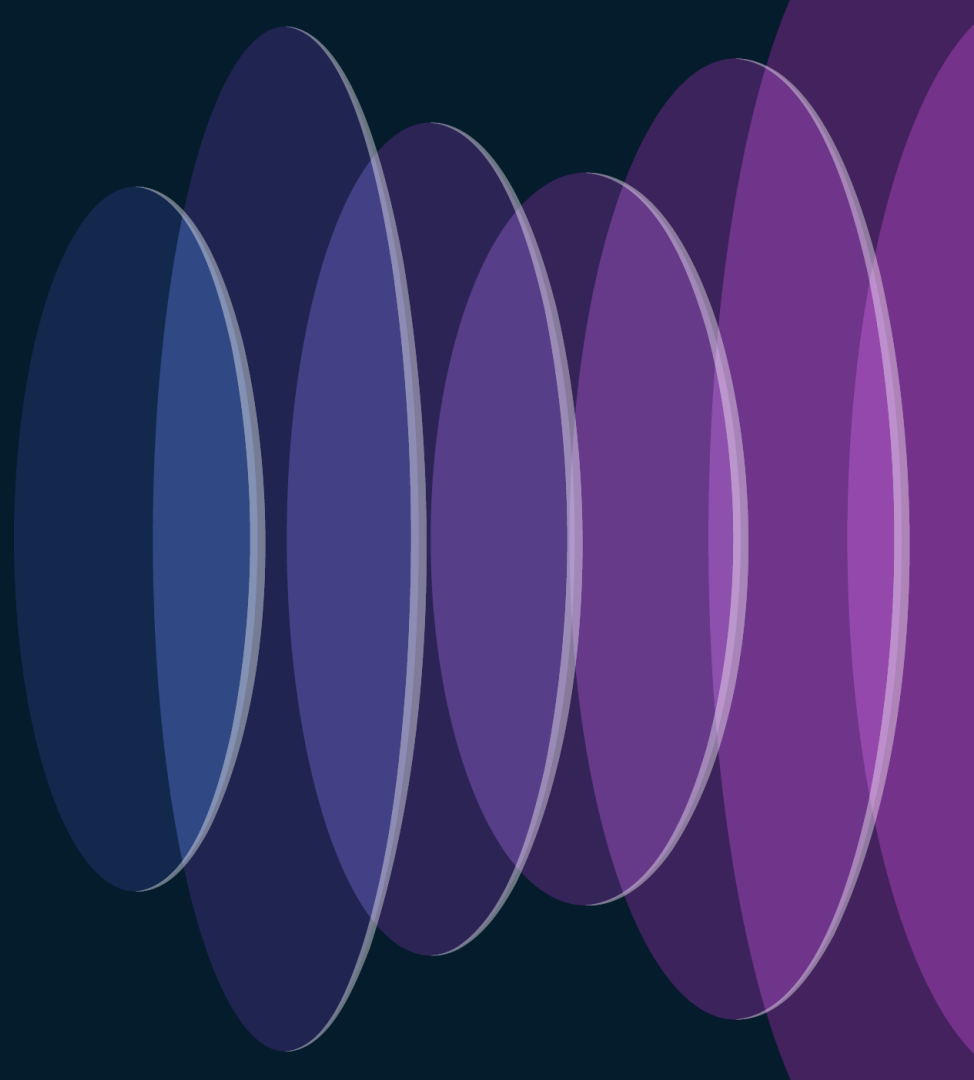
The bridge to possible

Thank you

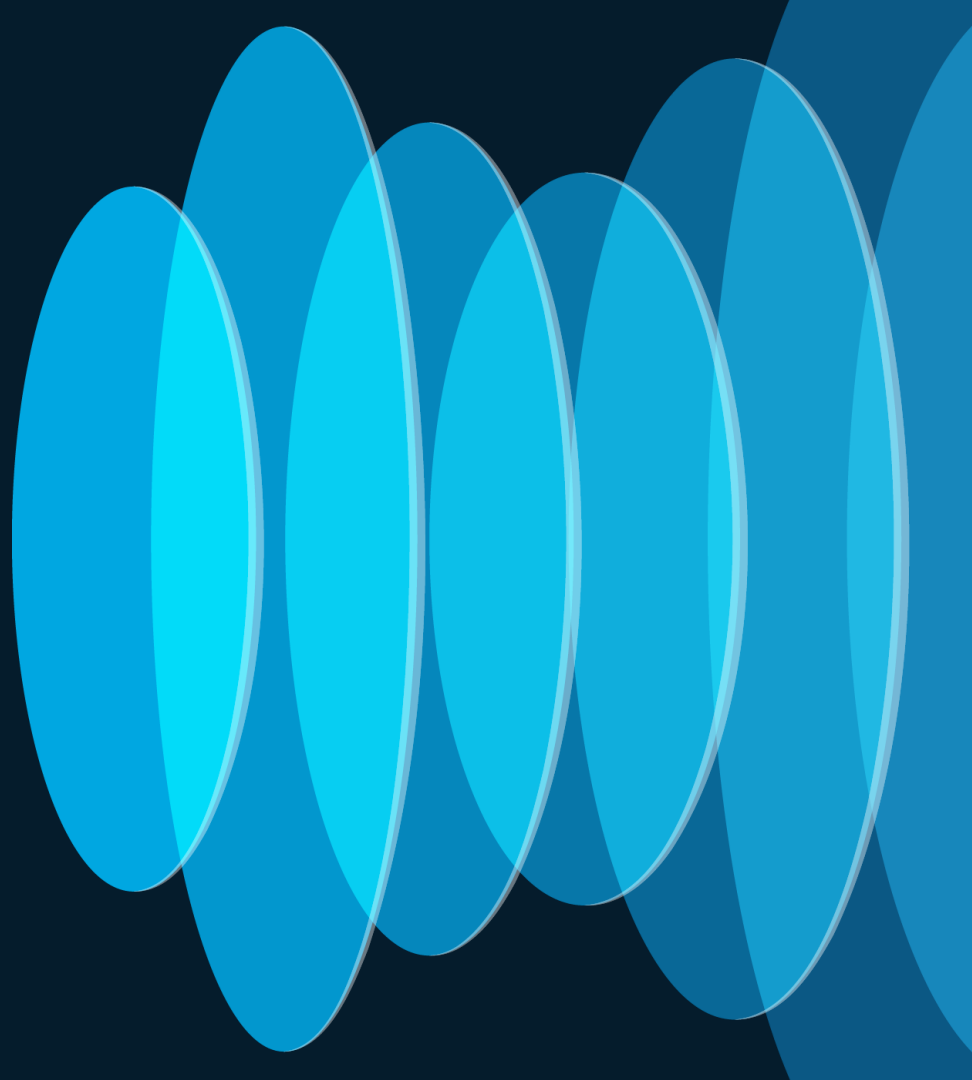
CISCO *Live!*

#CiscoLive

Additional
reference
information

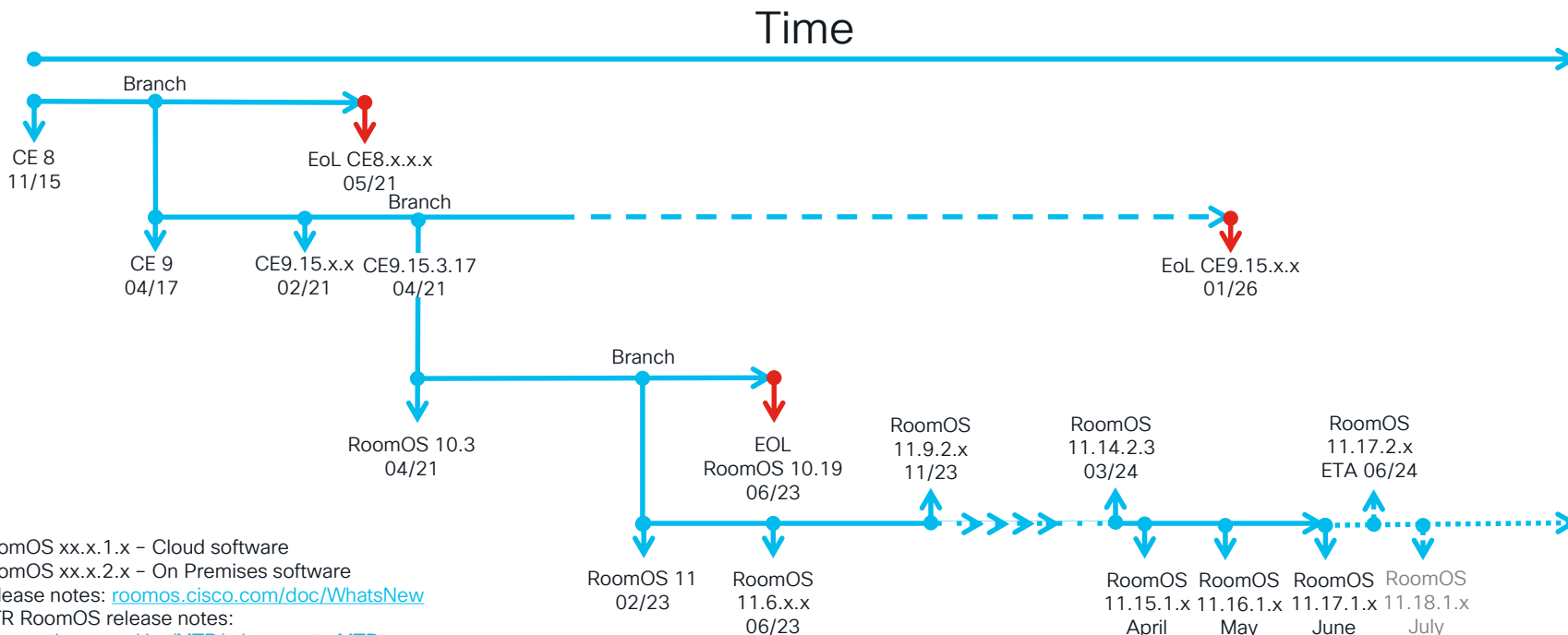


History Lesson



Cisco Collaboration devices

Collaboration Endpoint through to RoomOS



RoomOS xx.x.1.x – Cloud software
 RoomOS xx.x.2.x – On Premises software
 Release notes: roomos.cisco.com/doc/WhatsNew
 MTR RoomOS release notes:
roomos.cisco.com/doc/MTR/releasenotesMTR

Collaboration Software Support

CE

- CE8.x
 - DX Series
 - MX Series (not G1)
 - SX Series
- CE9.x/RoomOS 9
 - All of the above
 - Cisco Desk Pro
 - RoomUSB, Room Kit Mini, Room Kit Plus, Room Kit Pro, Room 55 Series, Room 70 Series.
 - Board/Board S series

RoomOS 10

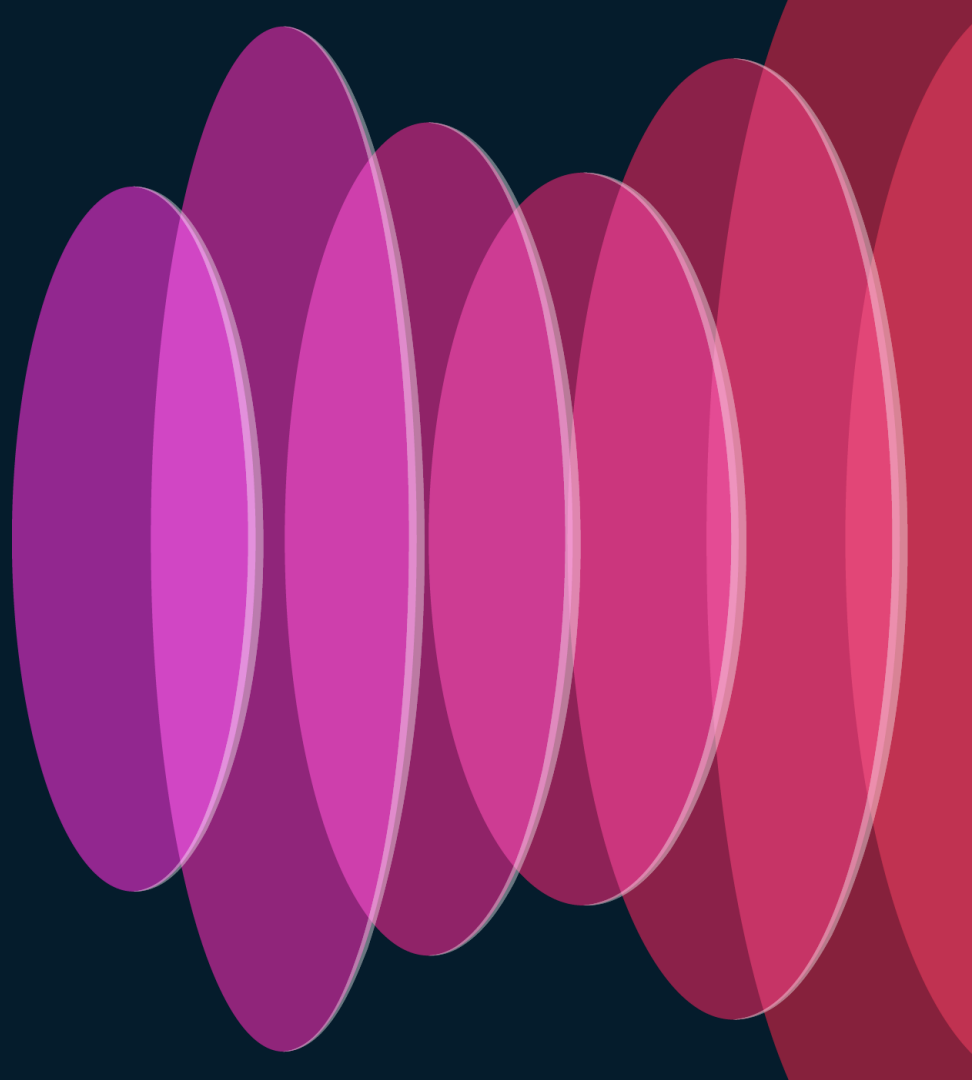
- Cisco Desk Series
 - Desk Mini*, Desk LE, Desk Pro, Desk Hub*
- Cisco Board Series
 - Board/Board S Series
 - Board Pro Series*
- Cisco Room Series
 - Room USB, Room Kit Series
 - Room 55 Series and Room 70 Series
 - Room Panorama Series

RoomOS 11

- Cisco Desk Series
 - Desk Mini, Desk, Desk Pro
- Cisco Board Series
 - Board/Board S Series
 - Board Pro Series
- Cisco Room Series
 - RoomUSB/Room Kit Series
 - Room Bar, Room Bar Pro
 - Room 55 Series and Room 70 Series
 - Room Panorama Series

* When configured with the RoomOS 11 UI

Cisco Collaboration devices



Device Lifecycle Milestones

DX Series

- DX70
 - ~~• EoS August 2018~~
 - ~~• EoL August 2023~~
- DX80
 - ~~• EoS January 2021~~
 - EoL January 2026

MX Series

- MX200G2/MX300G2
 - ~~• EoS May 2018~~
 - ~~• EoL May 2023~~
- MX700
 - ~~• EoS April 2019~~
 - ~~• EoL March 2024~~
- MX800
 - ~~• EoS April 2019~~
 - ~~• EoL March 2024~~

SX Series

- SX10/10N
 - ~~• EoS January 2020~~
 - EoL January 2025
- SX20/20N
 - ~~• EoS October 2019~~
 - EoL October 2024
- SX80
 - ~~• EoS October 2019~~
 - EoL October 2024

Device Lifecycle Milestones

Desk Series

- Desk Limited Edition (Desk LE)
 - Converts with software upgrade to Desk Pro
- Desk Hub
 - ~~EoS December 2022~~
 - ~~EoL March 2023~~

Board Series

- Board 55
 - ~~EoS March 2019~~, EoL March 2027
- Board 55S
 - ~~EoS May 2022~~, EoL May 2027
- Board 70
 - ~~EoS February 2019~~, EoL May 2027
- Board 70S
 - ~~EoS May 2022~~, EoL May 2027
- Board 85S
 - ~~EoS May 2022~~, EoL May 2027

Device Lifecycle Milestones

Room 55 Series

- Room 55
 - ~~EoS November 2023~~, EoL November 2028
- Room 55 Dual
 - ~~EoS June 2023~~, EoL June 2028

Room 70 Series

- Room 70 Single
 - ~~EoS August 2019~~ (replaced by G2 version)
- Room 70 Dual
 - ~~EoS August 2019~~ (replaced by G2 version)
- Room 70 Single G2
 - ~~EoS February 2022~~, EoL February 2027
- Room 70 Dual G2
 - ~~EoS July 2023~~, EoL July 2028

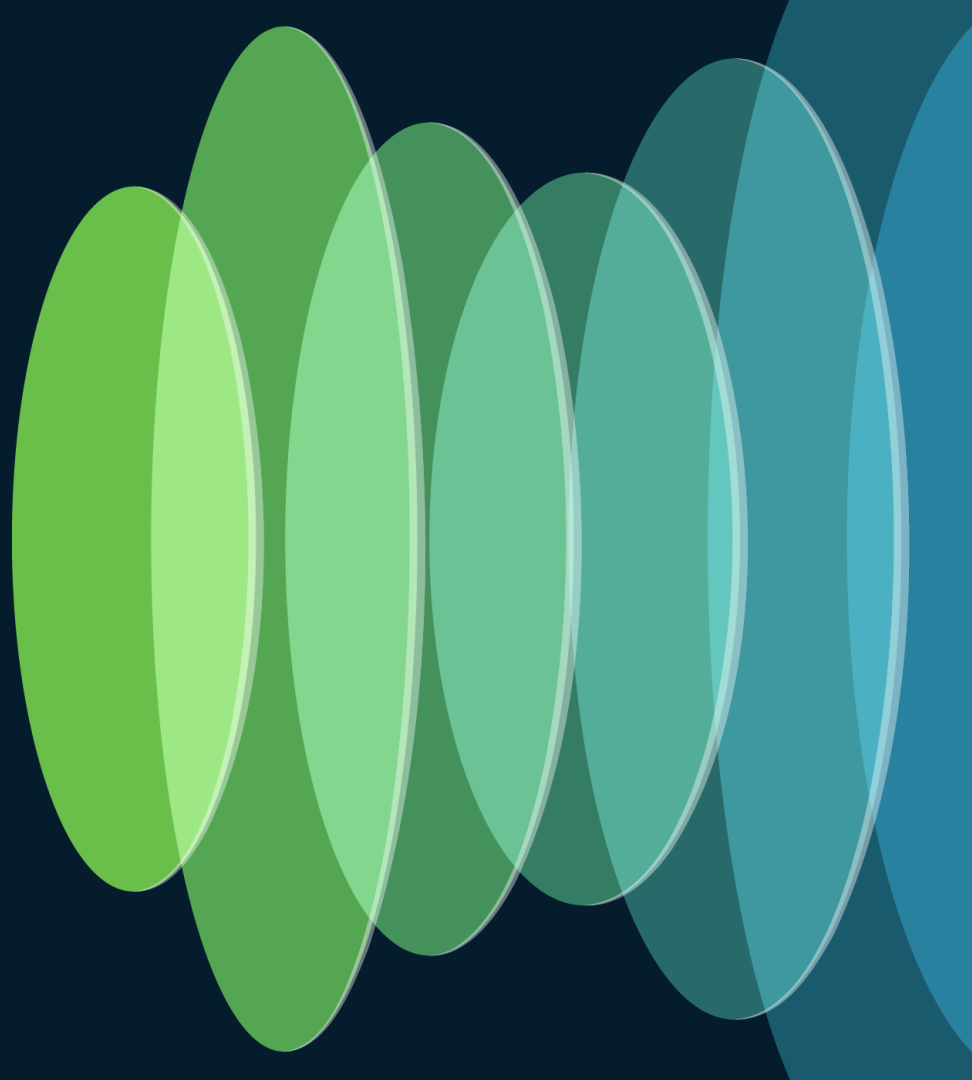
Device Lifecycle Milestones

- Cisco Room USB
 - EoS October 2024, EoL October 2029
- Cisco Room Kit Mini
 - EoS October 2024, EoL October 2029
- Cisco Room Kit Mini, Room Kit and Kit Plus **NON-RADIO** versions
 - ~~EoS November 2023~~, EoL May 2029
- Cisco Board Pro 55 and Cisco Board Pro 75
 - EoS Nov 2024, EoL Nov 2029

Useful links

- End-of-life and End-of-Sale notices
 - [Cisco Room Series](#)
 - [Cisco Board Series](#)
 - [Cisco Desk Series \(includes DX series\)](#)
 - [Cisco MX Series](#)
 - [Cisco SX Series](#)

Comparisons



Raising the bar for hybrid workspaces

Room Bars



Room Bar

Single-lens, 12MP, 120° HFOV

Spatial sound; internal mics + mic extension

Dual screen (4Kp60)

Touch controls with Room Navigator

Extended with analogue, USB-A/C, HDMI, PoE

Huddle, small meeting room

Native RoomOS and Microsoft Teams

Integrated video bar appliance



Room Bar Pro

Dual-lens, 96MP, 112° & 70° HFOV

Spatial sound; built-in mics; audio over IP, USB & analog

Triple screen (4Kp60)

Touch controls with Room Navigator

Extended with analogue, USB-A/C, HDMI, PoE

Medium

Native RoomOS and Microsoft Teams

Integrated video bar appliance

Camera

Audio

Screen

Controls

I/O

Room

Interop

Form Factor

Raising the bar for hybrid workspaces

Room Kits

	Room Kit EQ	Room Kit EQX	Room Kit Pro
Camera	Quad-lens, 80MP, 83° HFOV, 3x50° HFOV	Quad-lens, 80MP, 83° HFOV, 3x50° HFOV	Quad-lens, 80MP, 83° HFOV, 3x50° HFOV
Audio	Mono speakers; Audio over IP, USB & analog. Audio API's	Immersive audio system. Audio over IP, USB & analogue. Audio API's	Mono speakers; Audio over IP, USB & analog. Audio API's
Screen	Triple screen (4Kp60)	Dual 65-75" (not supplied) + 1 additional screen	Triple screen (2x4Kp60, 1x4Kp30)
Controls	Touch controls with Room Navigator	Touch controls with Room Navigator	Touch controls with Room Navigator
I/O	Advanced with analogue, USB-A/C, HDMI, PoE	Advanced with analogue, USB-A/C, HDMI, PoE	Advanced with analogue, USB-A, HDMI, SDI, PoE
Room	Medium to Large	Medium to Large, Flagship workspaces	Extra large, specialist AV integration
Interop	Native RoomOS and Microsoft Teams	Native RoomOS (Microsoft Teams in beta)	Native RoomOS and Microsoft Teams
Form Factor	Modular Room Kit appliance	Integrated room kit appliance with mounting and frame design	Modular Room Kit appliance

Room Bar Pro vs Room Kit

	Room Bars	Room Kit
	 <p>Room Bar Pro</p>	 <p>Room Kit</p>
Camera	Dual-lens system, 96MP, 112° & 70° HFOV. Up to 6m camera reach for optimal framing at 1080p	15MP single-lens camera with 83° HFOV. Up to 5m camera reach for optimal framing and tracking at 1080p
Mounting	Single mount unit for wall and screen. Can be mounted above or below screen (image and speaker front flip)	Separate wall and screen mounts. Mounting upside-down not supported
Screen	Triple Screen support	Dual Screen support
Speaker	3-channel stereo loudspeaker system. 1 x audio line out or 2 x USB-A for external speakers	5-point speaker system. 1 x audio line out or 1 x USB-A external speaker
I/O	Extended with 3 x analogue, 2 x USB-A, 1 x USB-C, 3 x HDMI out, 1 x HDMI in, 4 x Ethernet (3 x PoE)	Standard with 3 x analogue, 1 x USB-A, 2 x HDMI out, 1 x HDMI in, 2 x Ethernet
Microphone	Advanced built-in mic array with 4m pickup range. Audio over analogue, USB or IP (Table Mic Pro)	Built-in mic array only for speaker tracking. Separate mic for audio pick-up. Mic extension over 2 x analogue or 1 x USB-A
Interop	Native RoomOS with rich third-party interop and native Microsoft Teams Rooms. Single-cable BYOD via USB-C	Native RoomOS with rich third-party interop
Form Factor & compute	AI powered NVIDIA chipset. Color options; built-in power supply.	Standard NVIDIA chipset. Single color. External power supply

Board Pro vs Board Pro G2

For your
reference

Board Pro



Board Pro G2



Compute

Featured NVIDIA chipset and powerful compute module

Features latest NVIDIA AI chipset and upgraded compute module for better performance

Main Camera

24MP dual camera system with 120° wide-angle lens and 85° tele-lens

96MP dual camera system with 112° wide-angle lens and 70° tele-lens

Multi Camera

Supports connectivity with external PTZ camera for AI presenter tracking. May require ethernet switch.

Supports connectivity with external PTZ camera for AI presenter tracking. Additional ethernet port included

Mounting

Integrated room device with options for wall and floor

Integrated room device with options for wall and floor

Screen Extension

Supports up to 1 x additional screen for mirroring content or live video

Supports up to 2 x additional screens for mirroring content or live video

Microphone

Built-in mic array. Audio extension over IP, USB & analog. Connects with up to 3x Cisco IP microphones.

Built-in mic array. Audio extension over IP, USB & analog. Connects with up to 3x Cisco IP microphones.

Interop

Native support for Cisco Rooms (Webex meetings and advanced third-party video interop) and Microsoft Teams

Native support for Cisco Rooms (Webex meetings and advanced third-party video interop) and Microsoft Teams

Wi-Fi Connection

Supports Wi-Fi 2.4 GHz and 5 GHz

Supports Wi-Fi 2.4 GHz, 5 GHz and 6 GHz (6E)