



**UNIFIED
COMMUNICATIONS
2022**



WHAT IS UNIFIED COMMUNICATIONS?

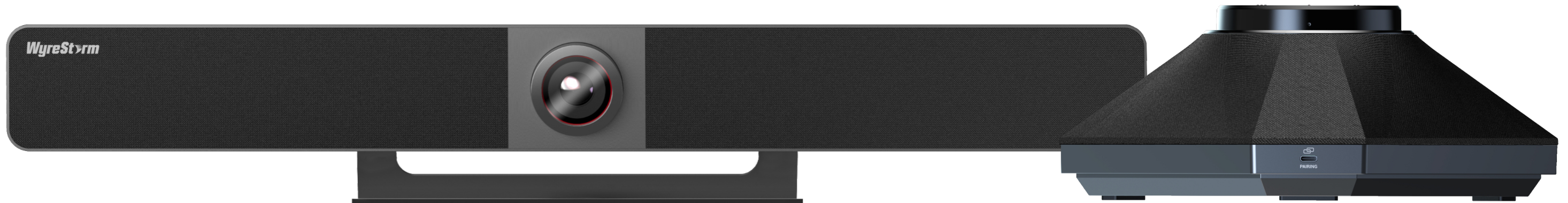
The benefits of video conferencing are clear and it's now more accessible than ever before. However, with the emergence of so many new digital collaboration tools, covering both software & hardware, working out what systems will best suit your company in order to unify all of your communications can be a daunting task, even for the most experienced AV/IT professional.

WyreStorm provides a solution for today's demanding meeting spaces, whether that's a small huddle space, large corporate boardroom or classroom.

WHAT IS APOLLO?

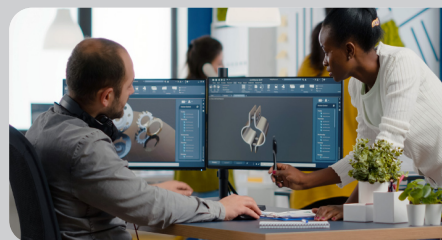
Apollo provides a solution for today's demanding meeting spaces, whether that's a small huddle space, large corporate boardroom or classroom.

The Apollo solutions are a product line with each model consisting of a specifically tailored feature-set. Apollo aims to simplify complicated systems by combining what typically consists of separate disparate hardware into a single unified solution. This helps every one involved, from system designers, integrator technicians and most importantly the end-user experience.



CONNECTING PEOPLE

As technology continues to evolve, we've entered an era where work is no longer refined to a specific desk, phone, or computer screen. Professionals have the freedom to share their skills and pursue new opportunities across the globe, all with nothing but the right device, and a cloud connection.



SCREEN SHARING & ANNOTATIONS

Screen sharing adds an entirely new element to online meetings. Instead of emailing over a copy of that PowerPoint to every attendee, or dropping a file in the web client hoping they'll all open and follow along on the right page, users can control their presentation on their own desktop with screen sharing.



ACCESSIBILITY & EASE OF USE

Providing a consistent cross-platform end-user experience, where everyone is using the same applications on their desktops, laptops and mobile devices; it enables users to easily collaborate in real time wherever they are. Unified Communications is always available, so ad-hoc meetings are never a problem.



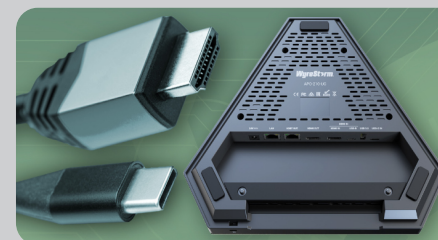
AVAILABILITY & COST EFFECTIVENESS

UC consolidates overlapping communications services. Businesses may spend a lot of money on various conferencing services. Deploying a single platform for communications enables organizations to consolidate multiple services that IT, or end users themselves, may have deployed, cutting down on ongoing fees.



PREMIUM SPEAKERPHONE

The most important aspect of any online meeting is the quality of audio. Through professional acoustic tuning, every Apollo comes equipped with high-grade speaker. Pair that with an intelligent mic array capable of echo cancellation, automatic gain control and noise suppression.



FLEXIBLE VIDEO SWITCHER

Most Apollo models include both an HDMI and USB-C input. So whether meeting attendees have the latest high-end laptop or one less equipped, they'll be able to connect without worrying about compatibility. Both HDMI and USB-C supports up to 4K30Hz video passthrough to a display.



BYOD WIRELESS CASTING

If a wired connection isn't your thing, then don't worry. Most Apollo models support the native ability to receive wireless video from Airplay (Apple) or Miracast (Android/Windows). And if that wasn't enough, pair an Apollo with our USB-C casting dongle for an expanded wireless sharing option.



UNIFICATION HUB

All Apollo models provide unification of audio, video and USB peripherals. USB-C allows one cable to provide video passthrough to a display and access to the built-in speakerphone of Apollo. An added USB 3.0 peripheral port allows you to connect add-on devices such as conference cameras without additional connections to your PC.

DYNAMIC PRODUCTS FOR AN EVOLVING WORLD

Apollo is just one aspect of a full meeting space solution. In order to complete a system design, a full range of peripheral devices such as cameras, cables, USB peripherals and in-desk connectivity are required.

Our goal is to be able to provide all aspects and to do so with the best technology available today. WyreStorm UC provides you a dynamic lineup of products for a simplified and evolving AV world. We are your one-stop unified communications shop.



VARIETY TO FIT EVERY NECESSITY

A number of camera options are available, including a high-grade mechanical PTZ camera with an incredibly powerful and accurate sensor, or small and compact webcams to sit on top of a display. 1080p and 4K options are available allowing you to tailor to the application.



USB ACCESSORIES

Whether you need to add more ports or extend the reach, we've got you covered. A number of USB accessories are available such as optical extension cables and hubs, all of which support USB 3.0 Superspeed. These add-ons are great companions to an Apollo which help to create the perfect and reliable system.



IN-DESK CONNECTIVITY

A system wouldn't be complete without tidy organization. No one wants a mess of cables setting on a table. Our in-desk solutions provide pass through of USB-C and HDMI which can be paired with an Apollo switcher. They also come equipped with USB charging and a mains connection for powering your devices.

WHICH APOLLO SYSTEM IS RIGHT FOR YOU?



APOLLO 100



APOLLO 200



APOLLO 210



APOLLO VX20

Meeting Size

3-5 People

5-9 People

5-9 People

10+ People

Microphone

360° Mic Array

360° Mic Array

360° Mic Array

180° Mic Array

Mic Pickup Range

5-8m

5-8m

5-8m

5-8m

Add-On Mic

N/A

N/A

N/A



DSP Features

AEC, AGC, ANS

AEC, AGC, ANS

AEC, AGC, ANS

AEC, AGC, ANS

Speaker

10W

10W

10W

2x 8W

Video Input

USB-C

USB-C & HDMI

USB-C & HDMI

USB-C & HDMI

Video Output

HDMI

HDMI

HDMI & HDBaseT

HDMI

Dual-View Processing

N/A



Airplay/Miracast

N/A



Casting Dongle

N/A



Web UI

N/A



Integrated Camera

N/A

N/A

N/A

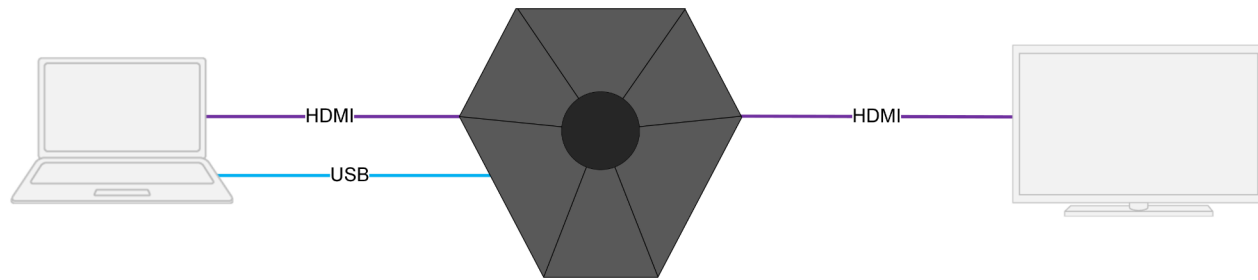


USB 3.0 Accessory Port

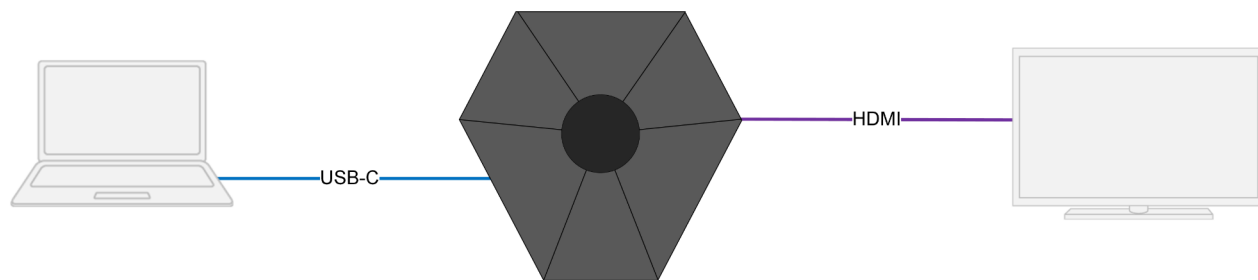


WIRED CONTENT SHARING WITH APOLLO

Apollo is a powerful unification hub that hosts many different ways for you to share content from your personal computer to a display in a meeting space. The tried and true HDMI input is the most universally adopted A/V connector in the world and is natively built into most modern laptops. It is one of the easiest and quickest ways to begin sharing content. The downside to HDMI is that it doesn't natively support USB communication. Therefore, if using an HDMI connection during a meeting, a separate USB cable would need to be connected to Apollo to use its built-in speakerphone or conference cameras.



Right along side HDMI is the inclusion of a USB-C input. USB-C is a quickly growing connector that is found on many mobile devices including laptops, smartphones and tablets. USB-C has the unique benefit of not only providing A/V passthrough from a device but doubles as a data connection as well. This means that you can have one cable that supports content sharing to a display while at the same time giving access to Apollo's built-in speakerphone and any potential cameras or UC peripherals in a system.



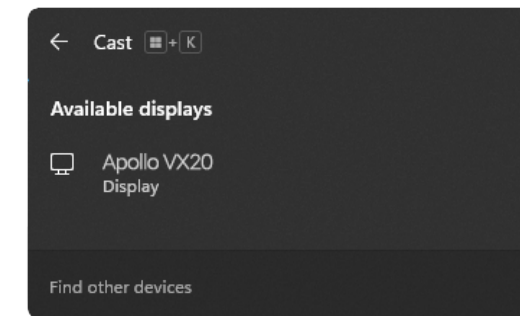
WIRELESS CONTENT SHARING WITH APOLLO

In contrast to wired content sharing, wireless content sharing allows mobile devices such as laptops, smartphones or tablets to share content to a display using a number of different wireless methods. While wireless content sharing brings its own unique values over a wired connection, wireless connections to an Apollo are strictly for content sharing only and will not allow access to any USB devices including Apollo's built-in speakerphone or cameras.

Apollo natively supports Apple Airplay and Miracast. This means that you can share content without needing to download any additional software. All Apple devices including iPhones, iPads and Macs have a Screen Mirror function that can be used to locate Apollo automatically and begin casting content.

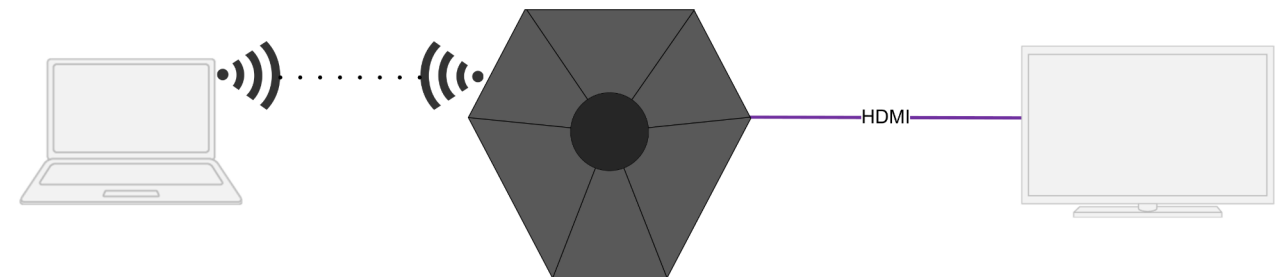


iPhone/iPad Airplay Example



Windows 11 Miracast Example

Miracast works in the same way but is compatible with Android or Windows 10/11 operating systems. When you open the casting menu Apollo will appear as an available display you can connect and share content to.



Apollo also offers a third method for casting content to a display. The Apollo DG1 dongle is a blend of wired and wireless content sharing. Simply connect the USB-C port of the DG1 dongle into your computer and press the button. From there, the DG1 will wirelessly connect to an Apollo and begin sharing your screen.



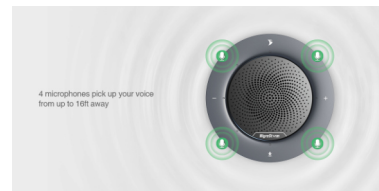
WHAT ARE HALO SPEAKERPHONES?



HALO speakerphones are designed for small spaces such as huddle rooms or home offices. They are plug and play and simple use for everyday meetings.

While small in the size, these speakerphones pack a punch with a high-quality microphone array and a dynamic speaker. The broad HALO solution range provides unique features to each model.

The HALO 30 is straight forward and simple, while the HALO 60 adds Bluetooth and a battery and the HALO 90 tops off the range supporting video passthrough and an integrated USB hub.



360° Mic Array



Noise Suppression



DOCKING STATION



HALO 30



HALO 60



HALO 90



HALO VX10

	HALO 30	HALO 60	HALO 90	HALO VX10
Meeting Size	3-5 People	3-5 People	3-5 People	3-5 People
Microphone	360° Mic Array	360° Mic Array	360° Mic Array	180° Mic Array
Mic Pickup Range	3-5m	3-5m	3-5m	3-5m
DSP Features	AEC, AGC, ANS	AEC, AGC, ANS	AEC, AGC, ANS	AEC, AGC, ANS
Speaker	2W	3W	3W	2x 3W
Bluetooth	N/A	✓	N/A	N/A
Built-in Battery	N/A	✓	N/A	N/A
Built-in USB Hub	N/A	N/A	✓	N/A
Video Passthrough	N/A	N/A	✓	N/A

WHAT ARE FOCUS WEBCAMS?

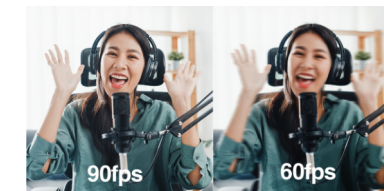
What's an online meeting without being able to see your colleagues? The FOCUS range of webcams provide high-quality but affordable solutions for video conferencing.

Compact in size and easy to mount on top of a display or computer monitor, the FOCUS range provides crystal clear video capture up to 4K UHD with incredibly wide field of views to capture the entire space.

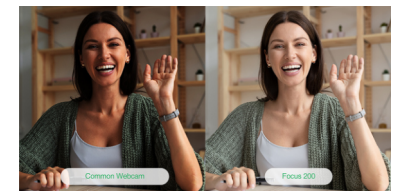
A.I. assisted lighting automatically adjusts the image while advanced features such as presenter tracking motion detection can follow a user while they move about the room.



ADVANCED A.I.



DYNAMIC RESOLUTIONS



AUTO LIGHTING



FOCUS 100



FOCUS 200

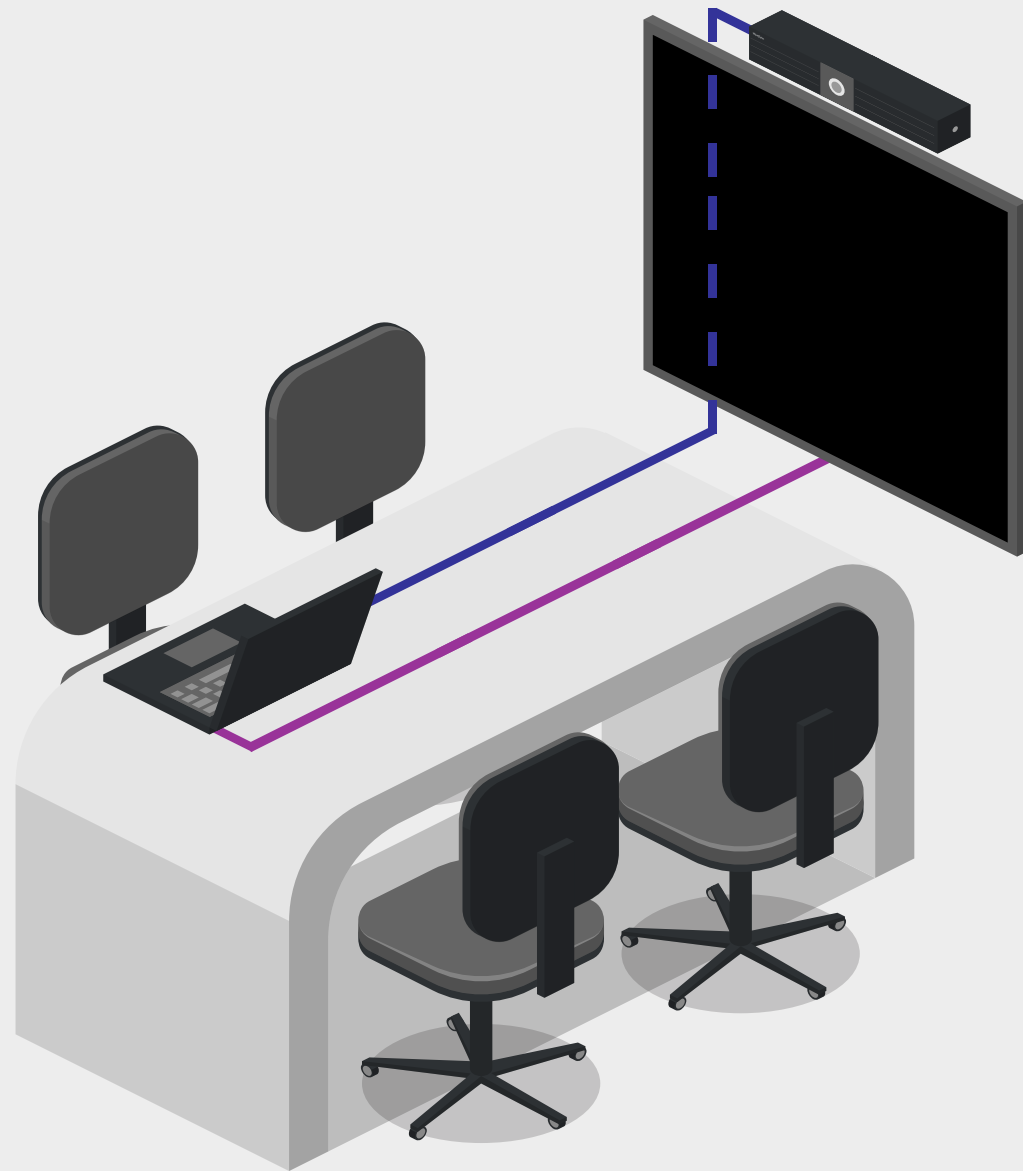


FOCUS 210



HALO VX10

	FOCUS 100	FOCUS 200	FOCUS 210	HALO VX10
Video Resolution	1080p30Hz	4K30Hz (1080p60Hz)	4K30Hz (1080p60Hz)	4K30Hz (1080p60Hz)
FOV	100°	106°	120°	120°
A.I. Lighting	✓	✓	✓	✓
Auto-Framing	N/A	N/A	✓	✓
A.I. Tracking	N/A	N/A	✓	✓
Built-In Microphone	✓	✓	✓	✓



HUDDLE & SMALL SPACES

(Approximate Room Sizes: 10'x10' to 10'x20')

QUICK POINTS

Consists of collaboration between 3-5 people

One display that is close to the table/desk and does not require long distance cable installations.

Simple connectivity requirements, typically only consisting of a direct connection to a display and USB connection to a conference camera/speakerphone.

These spaces can be used for local offline collaboration or online meetings via Teams or Zoom, etc...

SUGGESTED SOLUTION



HALO VX10 VIDEOBAR

- All-in-one video bar includes camera & speakerphone
- 120° Wide-Angle 4K Camera with 5x Digital Zoom
- AI Auto Framing, Presenter Tracking & Speaker Tracking
- 4x AI Noise-Cancelling Mics w/ Beamforming Technology
- Simple one-cable connection via USB-C
- Supports Windows and MacOS computers

ALTERNATE SOLUTION



FOCUS WEBCAM



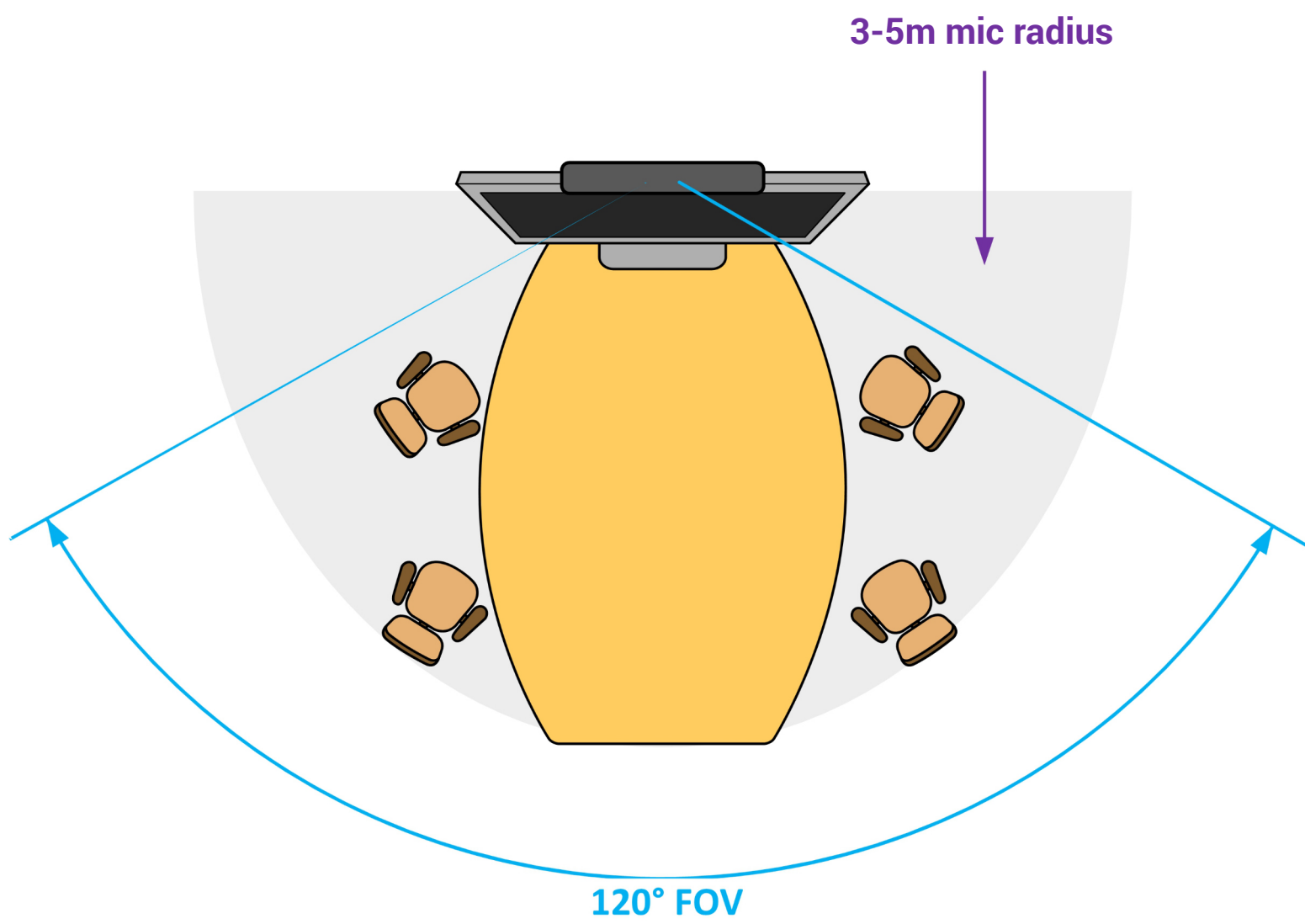
HALO 90 SPEAKERPHONE

- Table-top speakerphone with 360° mic array & 3-5m pickup range
- Up to 120° Wide-Angle 4K Camera with 5x Digital Zoom*
- AI Auto Framing & Presenter Tracking*
- Supports Windows and MacOS computers

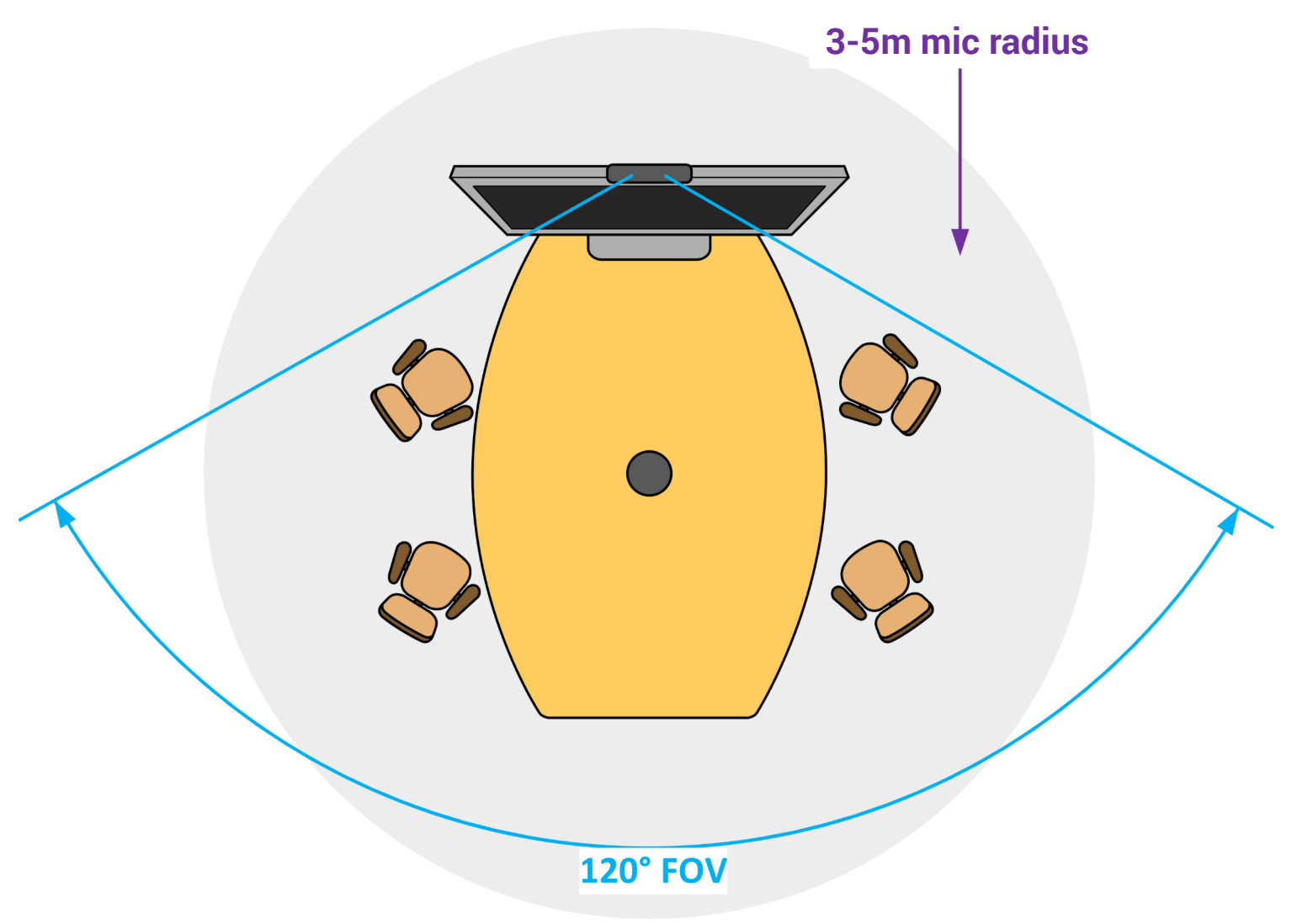
*Features vary based on camera model

HUDDLE & SMALL SPACES

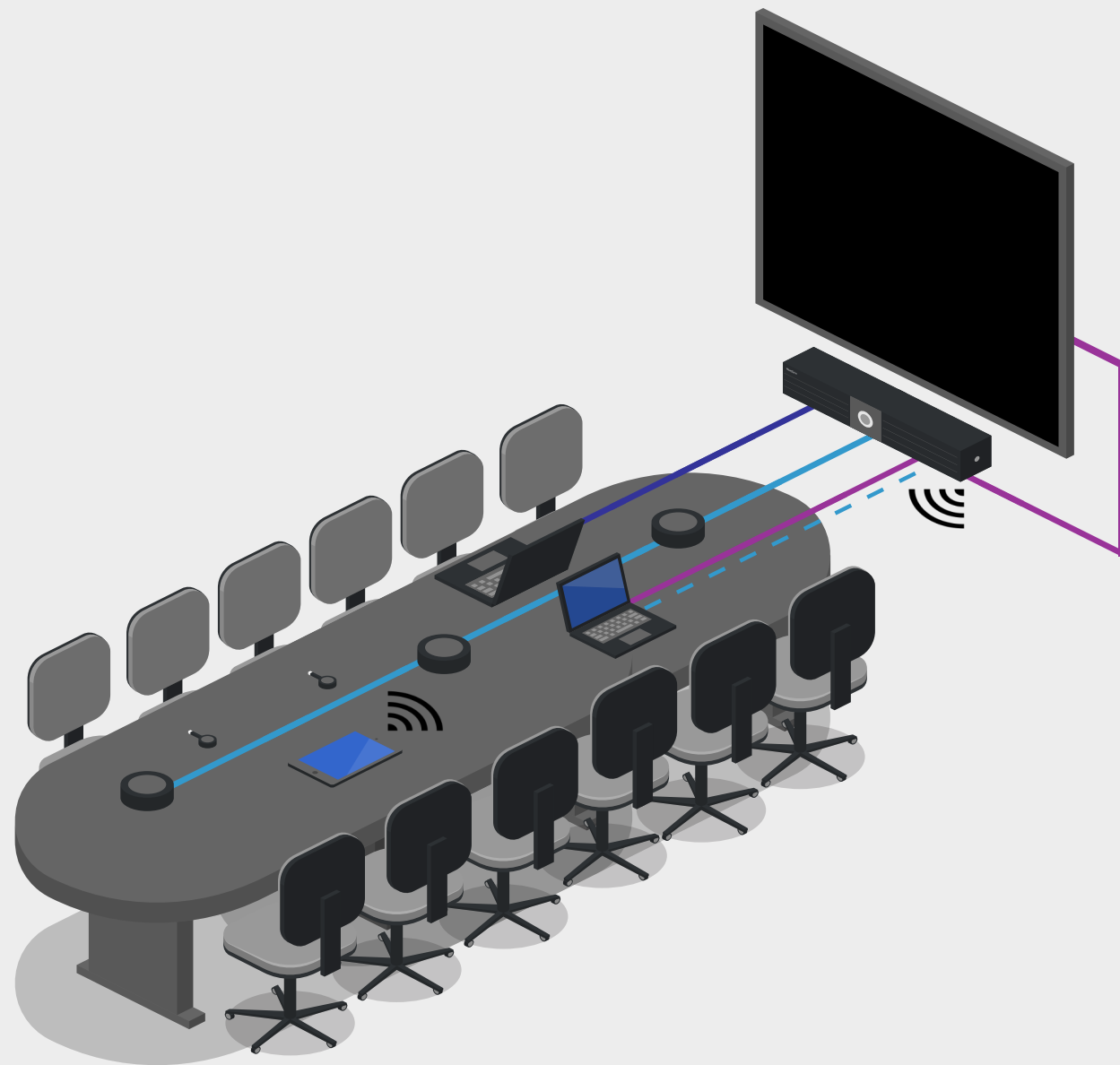
Mic & Camera Diagrams



HALO VX10



FOCUS 210 & HALO 90



- HDMI
- USB 2.0
- USB-C



MEDIUM & LARGE SPACES

(Approximate Room Sizes: 12'x25' to 20'x25' & Larger)

QUICK POINTS

Consists of collaboration of 8+ people

A display may be farther away from conference table requiring signal extension over HDBaseT or the use of optical cables.

Connectivity is more advanced and may require multiple format inputs to support BYOD laptops including wireless video casting.

Larger rooms will typically require the ability to have add-on microphones for enhanced audio pickup range.

SUGGESTED SOLUTION

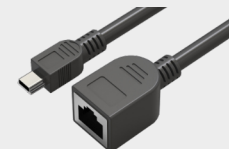


APOLLO VX20 VIDEOBAR

- Wall mounted video bar with integrated speakerphone and camera
- 180° mic array with 5-8m pickup range
- 4K camera with 120° FOV, auto-framing and presenter tracking
- HDMI and USB-C wired inputs supporting up to 4K30Hz video
- Wireless video casting via AirPlay, Miracast or APO-DG1 dongle
- Add-on microphones for expanded pickup range



ADD-ON MIC



MIC EXTENSION



CASTING DONGLE

ALTERNATE SOLUTION



APOLLO 200 or 210



CAM-200-PTZ

- Table-top plug and play speakerphone connectivity
- 360° mic array with 5-8m pickup range
- HDMI and USB-C wired inputs supporting up to 4K30Hz video
- Wireless video casting via AirPlay, Miracast or APO-DG1 dongle
- Wall mountable 1080p mechanical PTZ camera
- 15m USB extension cable for connection of PTZ camera to APO-200-UC



USB EXTENSION CABLE

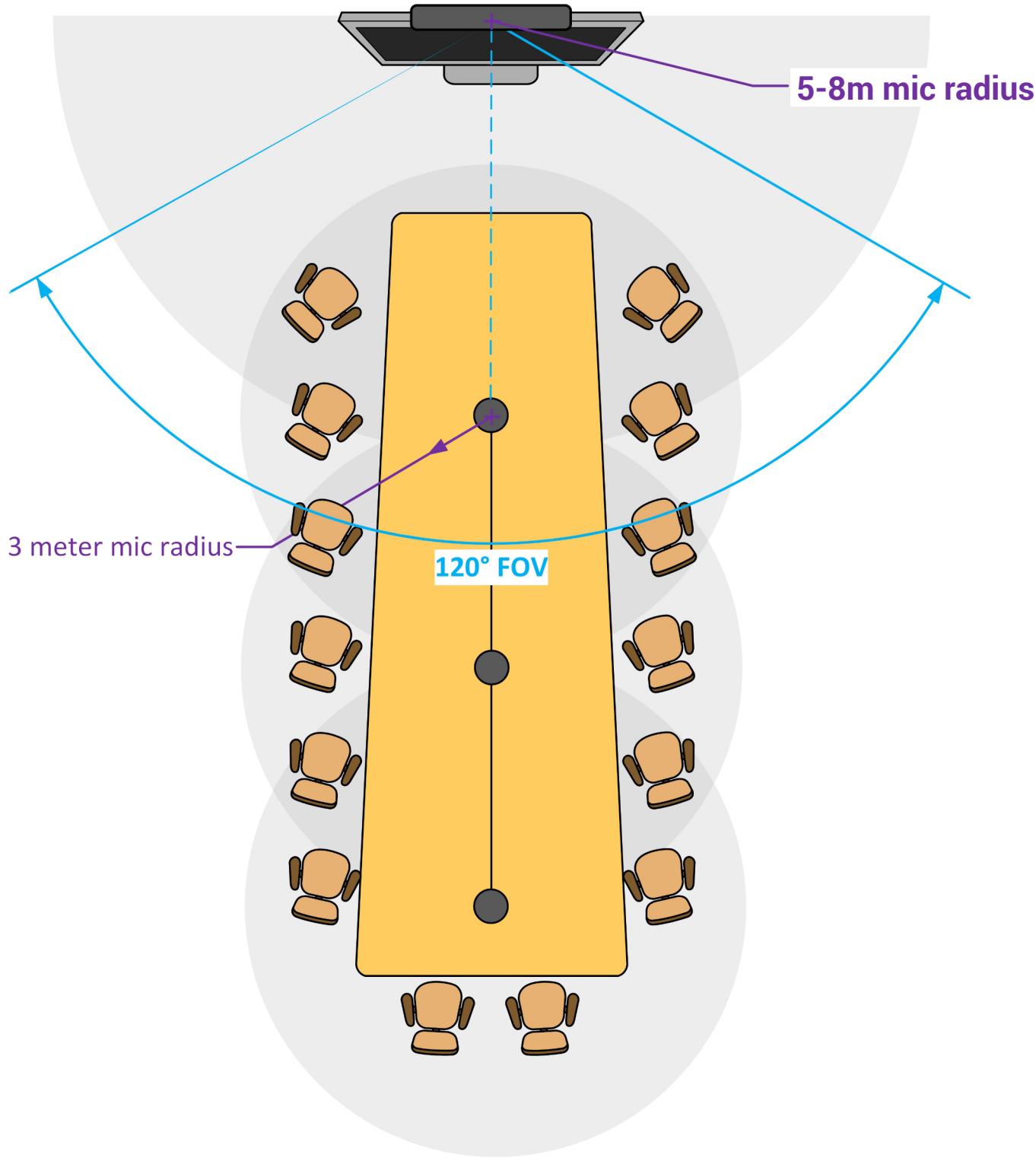


HDBaseT RECEIVER

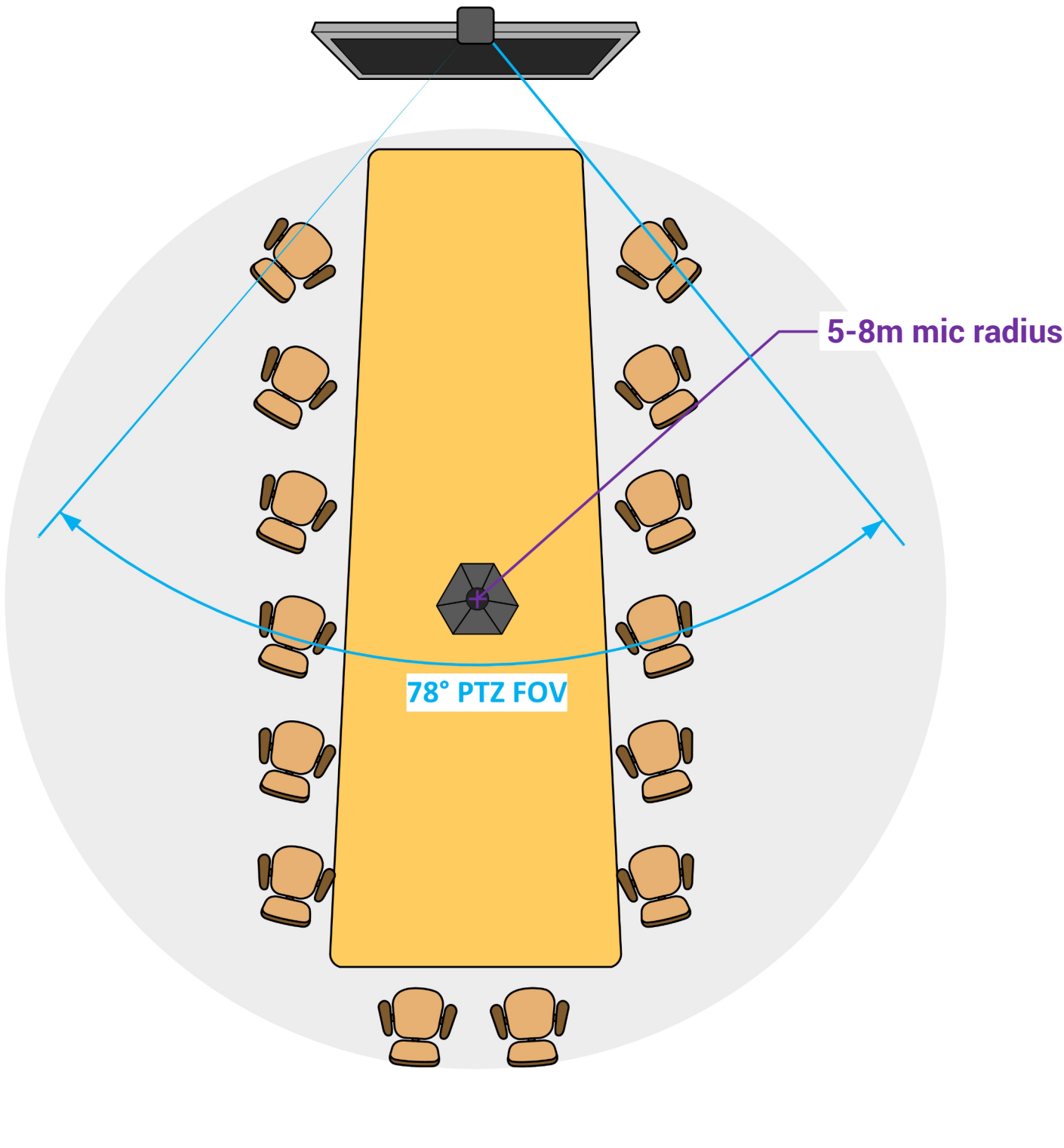


CASTING DONGLE

MEDIUM & LARGE SPACES
Mic & Camera Diagrams



APOLLO VX20



CAM-200-PTZ & APOLLO 200