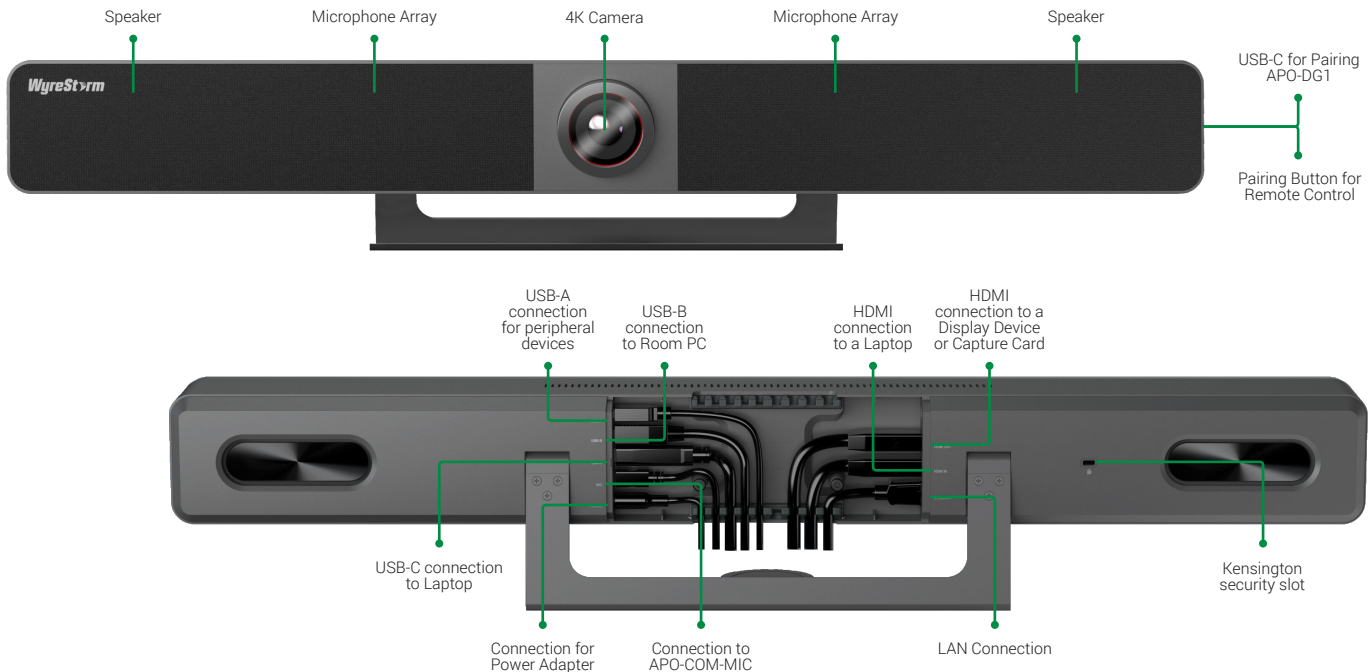


# Apollo Series Conference Video Bar & Switcher

APO-VX20-UC



## Specification Sheet



WyreStorm - Powerful. Reliable. Simple.

### Introduction

The Apollo VX20 is part of the family of Unified Communication Apollo solutions. The VX20 is a premium conference video bar that integrates a video switcher, speakerphone, and camera into one device. Ready for today's demanding and versatile meeting spaces, the VX20 comes feature packed with HDMI & USB-C local inputs along with the ability to receive wireless casting from Airplay and Miracast capable devices. The 4K camera provides enhanced features including presenter tracking and AI assisted lighting. The powerful stereo speakers provide room-filling sound with exceptional bass response for a clear and accurate audio experience.

### Key Features

- 4x MEMS mic array with echo cancellation, gain control & noise suppression
- 2 x 8-watt speaker providing crystal clear audio delivery with enhanced bass performance
- 4K camera with 120° FOV, 5x digital zoom and smart AI backlighting
- Enhanced camera AI capable of auto-framing and presenter tracking
- Simple plug and play design using a single USB-C connection
- HDMI & native USB-C connection supports up to 4K30 4:4:4 8bit content
- Native USB-C connection provides up to 60W device charging for laptops or tablets
- Supports wireless casting via Miracast (Windows 10) and Apple AirPlay (Macs and iOS devices) up to 1080p30
- Compatible with Apollo APO-DG1 USB-C casting dongle for expanded device compatibility
- Includes both a tabletop stand and wall mount for flexible placement
- Supports add-on mic (APO-COM-MIC) for expanded pickup range for large rooms
- Magnetic privacy lens cap
- Compatible with all major conference platforms including Microsoft Teams, Zoom, Skype, BlueJeans, Cisco WebEx and more!

### In the Box

- |                                      |                      |
|--------------------------------------|----------------------|
| 1x APO-VX20-UC Video Bar             | 1x Wall Mount Kit    |
| 1x 24V 5A Power Supply (UK/US/EU/AU) | 1x Bluetooth Remote  |
| 1x 5m HDMI Cable                     | 1x Magnetic Lens Cap |
| 1x 5m USB-B 3.0 Host Cable           | 1x Quickstart Guide  |

## Extending the Microphone Pickup Range

The APO-COM-MIC USB add-on microphone can be used to extend the microphone pickup range of the Apollo VX20 and can be cascaded to a maximum of 3 times. Connect the APO-COM-MIC to the USB port labeled "MIC" on the rear of the VX20.

If longer distance is required between the VX20 and the APO-COM-MIC than the provided 7m USB cable, an optional USB to Ethernet extender (APO-MIC-EXT) can be used for up to 60m extension.



## APO-VX20-UC Specifications

Audio and Video	
<b>Inputs/Outputs</b>	1x USB-C Input (4K30 4:4:4 8bit) 1x HDMI Input (4K30 4:4:4 8bit) 1x HDMI Output
<b>Supported Standards</b>	RGB   USB   USB-Alt Mode
<b>Maximum Pixel Clock</b>	300Mhz
Speakerphone	
<b>Microphone</b>	4 x MEMS mic array, AEC   AGC   ANS, 180° pickup angle Pickup range: 5 - 8m (16 – 26ft)
<b>Speaker</b>	2x 8 Watt
Camera	
<b>Sensor</b>	1/2.5", CMOS, Effective Pixel: 8.0M
<b>Video Resolution</b>	3840x2160p @30Hz 1920x1080p @60Hz
<b>Output Encoding</b>	MJPEG/YUV2/H.264/H.265   UVC 1.1
<b>FOV</b>	120°
<b>Additional Features</b>	<b>White Balance:</b> Auto <b>Backlight Compensation:</b> Auto <b>DNR:</b> 2D & 3D <b>ePTZ:</b> Supported   5x digital zoom <b>Presenter Tracking:</b> Supported
Communication and Control	
<b>USB</b>	<b>1x USB-C:</b> USB 3.2 Gen 1   Max Bandwidth: 5Gbps <b>1x USB-B:</b> USB 3.2 Gen 1   Max Bandwidth: 5Gbps <b>1x USB-A:</b> USB 3.2 Gen 1   Max Bandwidth: 5Gbps <b>1x USB-Mini:</b> USB 2.0   Max Bandwidth 480Mbps
<b>USB Protocols</b>	UAC, UVC, USB HID
<b>LAN</b>	1x 8-pin RJ45
<b>HDMI</b>	HDMI 1.4   HDCP 1.4   EDID   CEC
<b>Wireless</b>	IEEE 802.11ac   2.4Ghz, 5Ghz; Airplay   Miracast
<b>Handheld Remote</b>	Bluetooth
Power	
<b>Power Supply</b>	24V DC 5A
<b>Power Consumption</b>	Max: 40w Max with USB-C charging: 100w (60w max charging)
Environment	
<b>Operating Temperature</b>	0°C ~ 40°C (32°F to 104°F), 10% to 90%, non-condensing
<b>Storage Temperature</b>	-20°C ~ 60°C (-4°F to 140°F), 10% to 90%, non-condensing
<b>Maximum BTU</b>	Standard: 68 BTU/hr
Dimensions and Weight	
<b>Length</b>	699.4mm/27.54in
<b>Width</b>	126.82mm/4.99
<b>Height</b>	90mm/3.54in
<b>Weight</b>	2.42kgs/5.324lbs (with tabletop stand)
Regulatory	
<b>Safety and Emission</b>	CE   FCC   RoHS   RCM   EAC

## APO-COM-MIC Specifications

Microphone	
<b>Microphone</b>	4 x MEMS mic array, AEC   AGC Pickup Range: 3 - 5m (9 – 15ft)
Communication and Control	
<b>USB</b>	2 x USB 2.0 Type-B Mini (input & output)
<b>USB Features</b>	Mute Toggle   2-way communication with APO-VX20-UC Supports cascading up to 3 times
<b>Feedback</b>	LED status for power and mute status
Power	
<b>Power Supply</b>	5V USB from APO-VX20-UC
<b>Power Consumption</b>	2.5w
Dimensions and Weight	
<b>Length</b>	123mm/4.84in
<b>Width</b>	123mm/4.84in
<b>Height</b>	38mm/1.49in
<b>Weight</b>	0.22kg/0.49lb
Regulatory	
<b>Safety and Emission</b>	CE   FCC   RoHS   RCM   EAC

## APO-MIC-EXT Specifications

Communication and Control	
<b>USB</b>	USB 2.0 Type-B Mini
<b>Ethernet</b>	60m (197ft) via Cat6 or higher
Power	
<b>Power Supply</b>	5v USB from APO-VX20-UC
<b>Power Consumption</b>	TBD