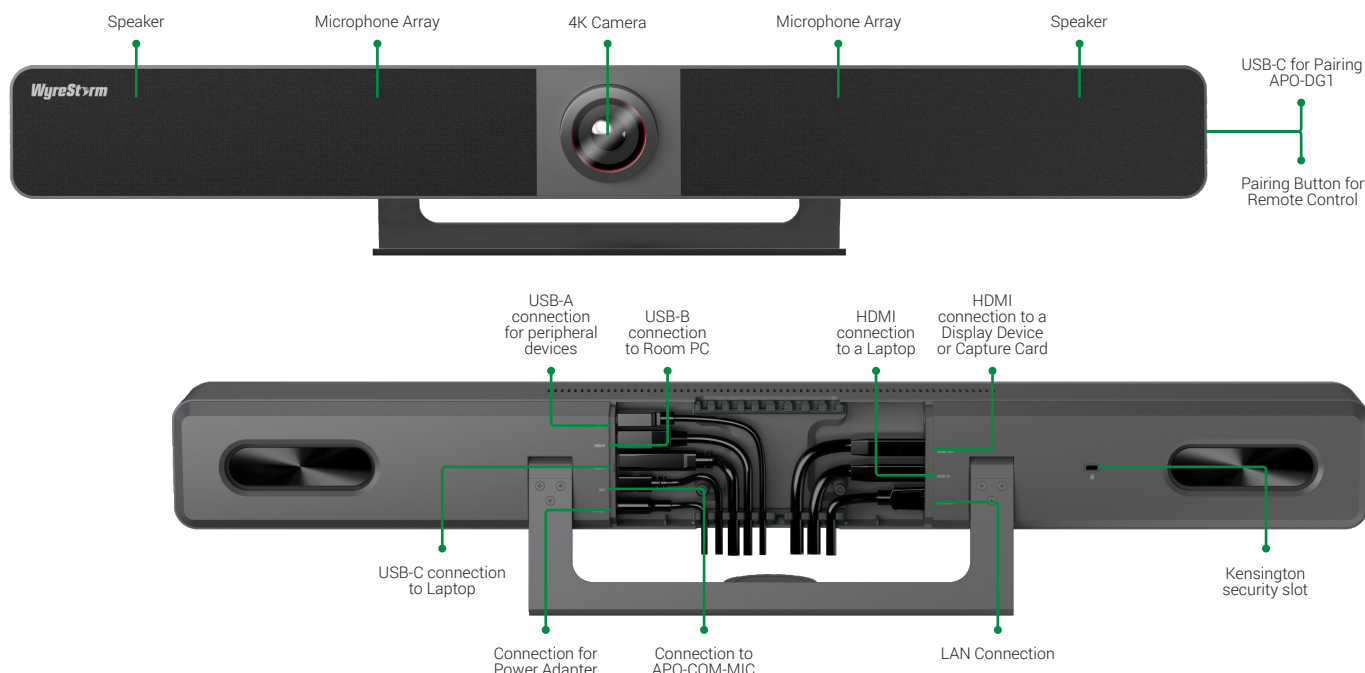


Apollo Series Conference Video Bar & Switcher

APO-VX20-UC

WyreStorm

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	
Inputs/Outputs	1x USB-C Input (4K30 4:4:4 8bit) Miracast/Airplay Casting: 1080p30Hz 1x HDMI Input (4K30 4:4:4 8bit) APO-DG1 Casting: 1080p30Hz 1x HDMI Output
Supported Standards	RGB USB USB-Alt Mode
Maximum Pixel Clock	300Mhz
Speakerphone	
Microphone	4 x MEMS mic array, AEC AGC ANS, 180° pickup angle Pickup range: 5 - 8m (16 – 26ft)
Speaker	2x 8 Watt
Camera	
Sensor	1/2.5", CMOS, Effective Pixel: 8.0M
Video Resolution	3840x2160p @30Hz 1920x1080p @60Hz
Output Encoding	MJPEG/YUV2/H.264/H.265 UVC 1.1
FOV	120°
Additional Features	White Balance: Auto Backlight Compensation: Auto DNR: 2D & 3D ePTZ: Supported 5x digital zoom Presenter Tracking: Supported
Communication and Control	
USB	1x USB-C: USB 3.2 Gen 1 Max Bandwidth: 5Gbps 1x USB-B: USB 3.2 Gen 1 Max Bandwidth: 5Gbps 1x USB-A: USB 3.2 Gen 1 Max Bandwidth: 5Gbps 1x USB-Mini: USB 2.0 Max Bandwidth 480Mbps
USB Protocols	UAC, UVC, USB HID
LAN	1x 8-pin RJ45
HDMI	HDMI 1.4 HDCP 1.4 EDID CEC
Wireless	IEEE 802.11ac 2.4Ghz, 5Ghz; Airplay Miracast
Handheld Remote	Bluetooth
Power	
Power Supply	24V DC 5A
Power Consumption	Max: 40w Max with USB-C charging: 100w (60w max charging)
Environment	
Operating Temperature	0°C ~ 40°C (32°F to 104°F), 10% to 90%, non-condensing
Storage Temperature	-20°C ~ 60°C (-4°F to 140°F), 10% to 90%, non-condensing
Maximum BTU	Standard: 68 BTU/hr
Dimensions and Weight	
Length	699.4mm/27.54in
Width	126.82mm/4.99in
Height	90mm/3.54in (without stand); 138mm/5.4in (with stand)
Weight	2.42kgs/5.324lbs (with stand)
Regulatory	
Safety and Emission	CE FCC RoHS RCM EAC

APO-COM-MIC Specifications

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

APO-MIC-EXT Specifications

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

