

4K60 1G Unified Communication AVoIP Transceiver with 8-Core 2.4GHz Processor & 8K60 Dual HDMI Outputs



The VPX-UC1 Ultra provides the most advanced 1G IP Streaming Unified Communications solutions on the market utilizing Aurora's new Mimix™ CODEC technology. Mimix™ compression allows for near perfect reproduction of video and graphic images at resolutions up to 4K60 4:4:4 over 1G networks. It has zero frame (1.78ms) latency and seamless switching for fast lag free content. The combined 8 Core 12 Android Processor allows any Android application to be run and combined with the streaming content as a source. Perfect for UC and Digital Signage applications, the VPX-UC1 Ultra sets a new standard in price and performance.

Features

- Configure as Encoder or Decoder
- Zero Frame Latency (1.78ms)
- 4K60 4:4:4 UHD 120m over 1G CAT 5e
- HDMI 2.0b, HDCP 2.2
- HDR10, HDR10+, Dolby Vision
- LPCM up to 12-channels, Dolby Digital Plus, Dolby TrueHD DTS HD Master Audio & ATMOS
- 12 bits color depth processing, 16bits OSD
- Enterprise Security (AES 256, 802.1x, HTTPS, & SSH)
- Scaling, Seamless Switching & Video Wall with Rotation
- MJPEG Preview up to 720p30
- 2.5G LAN PoE+ and 1G SFP for Fiber or 2nd RJ-45
- 2 HDMI Outputs, 1 HDMI Input
- Line In/Out Stereo
- RS-232 Serial Port and IR (In/Out)
- Channel Mapping with On-Screen Preview
- Integrated Web Server for Configuration
- USB 2.0 Ports for Cameras, HID Devices, Mass Storage, etc.
- Dante® 2/8 Ch Audio License Options & Dante Controller
- Rack and Under Table Mounting

Processor

- 8 Core 2.4GHz Processor
- Android 12 OS
- 1TB SSD Option
- 3 USB 3.1
- Dual 8K60 HDMI Outputs
- ReAX Control Engine
- Works with Zoom®, Teams®, WebEx®, Microsoft® 365, and any other Android App.

AI Option

- 6TOP NPU
- Gender, Age, & Emotion Prediction
- People Counting

Technical Specifications

Model Name	VPX-UC1-ULTRA
CPU	
Processor	Android 12, 8-Core 64-bit ARM Processor 2.4GHz with 6TOP NPU
Memory	32GB FLASH with 4GB RAM & (Up to 1TB SSD Expansion)
USB Ports	2 USB 3.1 Type A, 1 Type-C
HDMI Outputs	2 (HDMI 2.1, HDCP 2.3) Up to 8K60
AVoIP	
Compression	Mimix™ 13:1
Latency	0 Frames (1.78ms)
HDMI Inputs	1 (HDMI 2.0b, HDCP 2.2)
Encryption	AES 256
Audio Analog	Stereo Line In/Out (3.5mm TRS)
1G Ethernet	RJ-45 and SFP
LAN	RJ-45 10/100/1000M PoE
Video Bandwidth	600MHz (Up to 4K2K 4:4:4 @ 60Hz)
Audio Support	Up to 12 Channels
Video Stream Bandwidth	10Mbps – 800Mbps (4K60 4:4:4)
USB Bandwidth	200Mbps (Camera), 160Mbps (HID/Mass Storage Devices)
RS-232	Up to 115k Baud (3.5mm TRS)
IR	Bi-Directional (3.5mm TRS)
USB Connector	1 USB 2.0 Type C, 2 USB 2.0 Type A
Options	Dante® 2Ch/8Ch
Interface	IR or Keyboard via OSD, Web Server
Mechanical	
Housing	Black Aluminum Enclosure
Dimensions (L x W x H)	7" x 7.44" x 1.094" (17.7cm x 18.9cm x 2.75cm)
Weight	.453kg [1lbs]
Mounting	Optional: Rack Mount Vertical, Rack Mount Horizontal, Under Table Mount
Power Supply	48v DC (2 Pin Euro) or PoE (LAN)
Power Consumption	8 Watts, up to 12.9 Watts with USB
Operation Temperature	0~40° C [32~104° F]
Storage Temperature	-20~60° C [-4~140° F]
Relative Humidity	20~90% RH [No Condensation]
Package Contents	1x VPX-UC1-ULTRA, 2x Mounting Ears

Note: Specifications subject to change without notice.

KVM Roaming Feature

One Set of Keyboard/Mouse Controls All PCs



Videowall with Image Rotation



Dante AV-A™