

“Perceivably Perfect” 4K60 4:4:4 1Gbps AV over IP Transceiver



The VPX-TC1 Pro Series provides one of the most advanced 1G IP Streaming 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 only one frame (16.6ms) of latency and seamless switching for fast lag free content. Power consumption is important as the VPX-TC1 uses as little as 8 watts. It does this with no fan and a small form factor saving a lot of money in utility bills as it uses 1/3 the power of comparable systems.

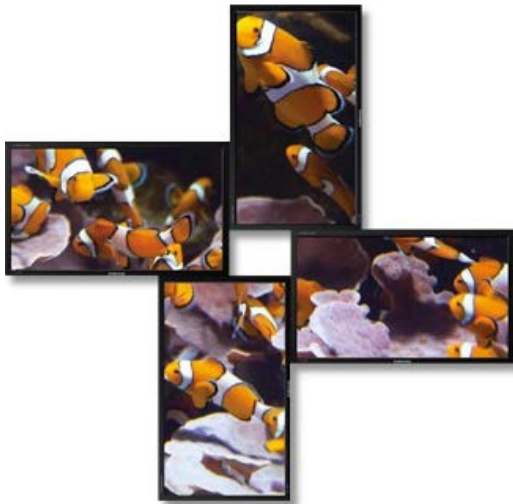
Features:

- **Configure as Encoder or Decoder**
- **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, HTTPS, SSH, Etc.)**
- **One Frame Latency (16.6ms)**
- **Low Power Fanless Design**
- **Seamless Switching**
- **MJPEG Preview at Full Resolution and Framerate**
- **Video Wall with Image Rotation**
- **1G LAN PoE and SFP for Fiber or 2nd RJ-45**
- **2 HDMI Inputs, 1 HDMI Output**
- **Line In/Out Stereo**
- **RS-232 Serial Port and IR (In/Out)**
- **Channel Mapping with On-Screen Preview (box version)**
- **Integrated Web Server for Configuration**
- **2 USB 2.0 for High Bandwidth Devices**
- **3 USB 1.1 for HID Devices**
- **Dante® 2/8 Ch Audio License Options & Dante Controller**
- **Rack and Under Table Mounting**

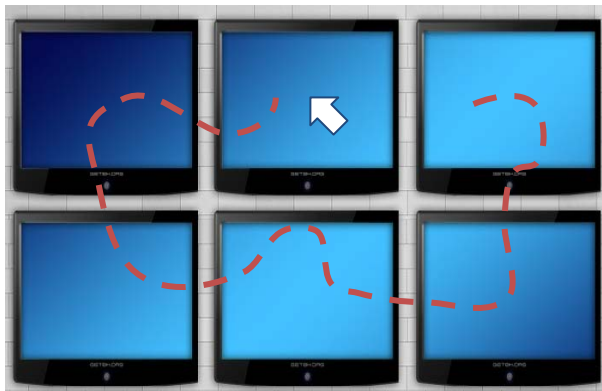
Audio, video, data, and control can be sent securely to one or many units using off-the-shelf 1G RJ-45 Ethernet switch. When the VPX-TC1 is set up to be a transmitter, the 2 HDMI inputs become a source switch and the HDMI output becomes a potential loop out. When set up as a receiver, a user can select the local HDMI inputs or an IP source. Seamless switching of the sources further enhances the presentation. Regardless of how the VPX-TC1 is set up, the audio can be de-embedded at any location, and/or be sent to or received from a Dante® enabled device. The USB is also flexible, working as a KVM and/or a high-speed data transfer for memory sticks & cameras. Each VPX-TC1 USB feature can also be set as a host or a device. To keep the system friendly, an OSD and integrated web server are available for easy navigation and setup of features.

Digital signage, education, corporate, and residential are just a few markets which benefit from the flexibility and low cost of the VPX-TC1.

Videowall with Image Rotation



One Set of Keyboard/Mouse Controls All PCs



Technical Specifications:

Model Name	VPX-TC1
Technical	
Compression	Mimix™ 8:1
Latency	1 Frames (16.6ms)
HDMI Inputs	2 (HDMI 2.0b, HDCP 2.2)
HDMI Outputs	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
Video Support	Up to 4K2K 4:4:4 @ 60Hz
Audio Support	Up to 12 Channels
RS-232	Up to 115k Baud (3.5mm TRS)
IR	Bi-Directional (3.5mm TRS)
USB Connector	1 USB 2.0 Type C 1 USB 1.1 Type C 1 USB 2.0 Type A 2 USB 1.1 Type A
Expansion Port	Dante® 2Ch/8Ch and ReAX™
Interface	IR or Keyboard via OSD, Web Server
Mechanical	
Housing	Black Aluminum Enclosure
Dimensions (L x W x H)	177.04 x 150.7 x 26.42mm [6.97" x 5.93" x 1.04"]
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-TC1, 2x Mounting Ears

Note: Specifications subject to change without notice.