Aurora Multimedia VLX-TC1-CF 4K 1Gbps AV-over-IP Transceiver Box (Copper and SFP slot)

This listing is for VLX-TC1-CF only. Use description below as a general reference.

The VLX Series provides one of the most advanced IP Streaming solutions on the market utilizing Aurora's IPBaseT® technology, which synergizes various IP/AV standards to work together as one. It is the industry's first 4K UHD transceiver with only 1.5 Frame (25ms) latency and visually losses compression. Using a transmitter (encoder) and receiver (decoder), respectively, used to be the standard – until now. The VLX Series box or wall plates can be set up as either one to make installation, inventory, and troubleshooting easier.

Another industry first is the option slot to add other IP capabilities, like Dante® audio, for a more complete, distributed system. 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 VLX is set up to be a transmitter, the 2 HDMI inputs (VLX-TC1-CF, VLX-TCW2H-C) or VGA/HDMI inputs (VLX-TCW2V-2) 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. Fast-switching of the sources further enhances the presentation (Matching source resolutions and frame-rate required). Regardless of how the VLX 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 (50Mbps) for memory sticks. Each VLX 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 VLX Series.

Note: The selected network switch needs to support: 1Gbps, Non-blocking IGMP & Jumbo Frame Packets. The raw network cabling as well as the patch cables are as important as the switch. When using copper, CAT5e, 6, or 6a cable is preferred for optimal performance and is important to follow the standard rules for running Ethernet cables. No sharp bends, coiling, putting near power lines, grouping tightly together with other LAN cables, etc. Shielding is not necessary but can be used for noisy environments.

Features:

- 4K visually lossless over 1Gbps network
- Low 1.5 frame latency
- 1080p to 4K, 4K to 1080p scaling
- HDMI® 2.0/HDCP 2.2
- Secure Content Encryption
- Unlimited scalability (based on network topology)
- Videowall with image rotation
- PoE (Power over Ethernet)
- Stereo line I/O
- RS-232 and IR Control Ports
- Auto sense switching
- USB 2.0 Host and Device Ports
- Dante® IP audio option