AV-95212 V3

4K@30 HDMI KVM over IP with one cable for dual screens

The AV-95212 V3 is a perfect solution for dual 4K HDMI with USB/IR/RS232 over one Gigabit Ethernet or fiber cable. The system includes AV-95212TL V3 Transmitter (Tx) and AV-95212R V3 Receiver (Rx). The Tx connects to PC or Blu-ray player for the 4K HDMI source, the Rx connects to display, speaker, microphone, and USB devices. The solution is based on the standard IP technology, the Tx converts input signals (HDMI, Audio, USB, …) to IP packets and Multicast/Unicast to Gigabit Ethernet switch. On the other end of Rx, receiving IP packets from Ethernet switch then converts back to HDMI, Audio, USB…and send to display, speaker, USB devices. Both Tx and Rx can be self-powered or getting PoE powerfrom Ethernet.

The 4K Encoder/Decoder engine built with Scaling function, multiple RXs are flexible to be configured as Video-Wall displays. Perfect for AV Broadcasting, KVM Matrix Control, Video-Wall applications like informational displays, central control room, entertainment, boardrooms, courtrooms, medical, military, and education digital signage.

Features

- Support 1080p or 4K@30 HDMI(3840 x 2160) resolution.
- Support one cable of UTP or fiber cable to transmit dual screens.
- All Tx/Rx are based on Gigabit Ethernet Switch, easy cabling, easy installation, easily maintain. Support one-to-one (Unicast), one-to-many (Multicast) for Audio/Video real time broadcasting. Support many-to-many Group Broadcasting if the Ethernet switch enabled the IGMP.
- Support USB for KVM PC control, you can attach keyboard, mouse, touch screen, storage at the Receiver site to control the PC at the Transmitter site.
- The 4K Encoder/Decoder engine built with Scaling function, multiple RXs are flexible to beconfigured as Video-Wall displays with 180° , 270° Rotation.
- Support both HDMI and 3.5mm stereo audio, you can use speaker/microphone at the Receiver. Support IR option, you can use the IR remote controller at Receiver site to control the set-top box atthe Transmitter site.
- Support RS-232 bridge option, you can send RS-232 data in between PC and screens.
- Pure hardware design, plug-and-play, no any additional software installation required. Built-in Web page for the IP address, device name, Multi/Unicast, Baud Rate, … settings. Built-in OSD Menu for Video-Wall Setup and Operation.
- Provide Connection Manager Software for Tx/Rx connection Management.
- Provide Video-Wall Manager Software for Video-Wall Configuration and Operation Management.FCC, CE, RoHS compliant.
- Support 1.25G/10G SFP ,the distance is up to the SFP/SM,SFP/MM:300m/500m.

Front, Rear Panel View

Rear Panel

AV-95212TL & AV-95212R V3



Front Panel

AV-95212TL & AV-95212R V3

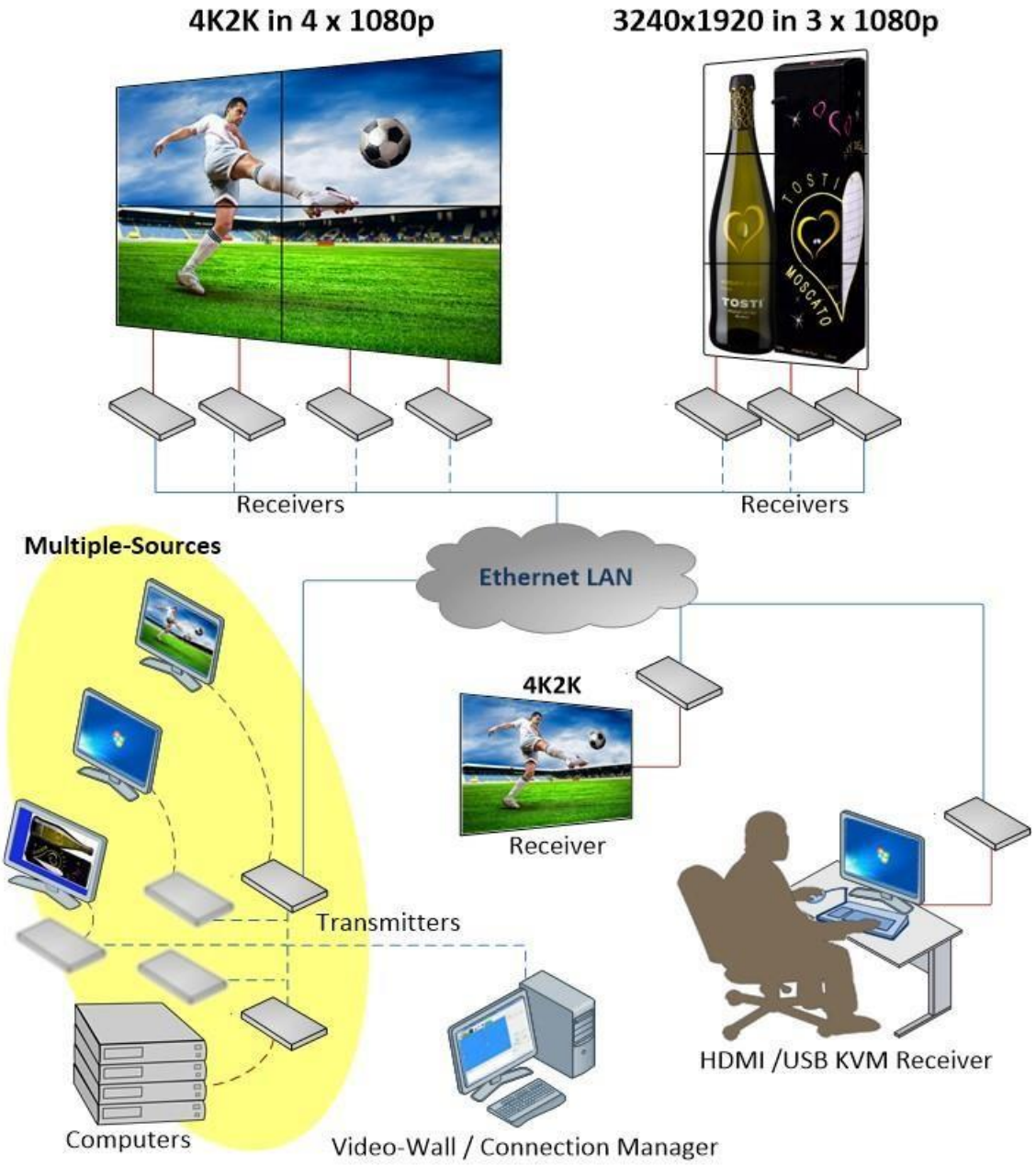


Specification

Model No.		Transmitters	Receiver
		AV-95212TL V3	AV-95212R V3
I/O	HDMI Input	2	N/A
	HDMI Output	2	2
	Power	DC 12V/5A	
	Network Port	1 x RJ45 Gigabit+1x SFP (Two ports can work simultaneously)	
	USB Upstream (to PC)	2	N/A
	USB to Devices	N/A	4 x USB 2.0 + 4 x USB 1.1
	Mounting Holes	Yes	
	3.5mm Line-In	2	N/A
	3.5mm Mic-In	N/A	2
	3.5mm Line-Out	2	
	RS-232	Yes	
Resolution		1080p or 4K (3840x2160@30Hz)	
Inter-connect Cable		CAT 6 / 7	
Environment	Operation Temperature	0~50°C	
	Storage Temperature	-20~ 85°C	
	Humidity	0~80% Non-condensing	
Physical Properties	Material	Metal (Black/Golden)	
	Weight	980 g	970 g
	Dimension	295x90x50mm	295x90x50mm

Diagram

1. Connection with ethernet switch:



2. Direct connection (TX→RX1+RX2 but not TX->RX->RX)

