AV-9520 *with* PoE

Beacon Links Inc.

4K KVM over IP with IEEE802.3af safety isolation PoE

The AV-9520 rev. PoE is a perfect solution for 4K HD with USB/IR/RS232 over Gigabit PoE Ethernet. The system includes AV-9520LT-P Transmitter (Tx) and AV-9520R-P Receiver (Rx). The Tx connects to PC or Blu-ray player for the 4K HD 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 (HD, 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 HD, Audio, USB… and send to display, speaker, USB devices. Both Tx and Rx can be self-powered or getting PoE power from 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.
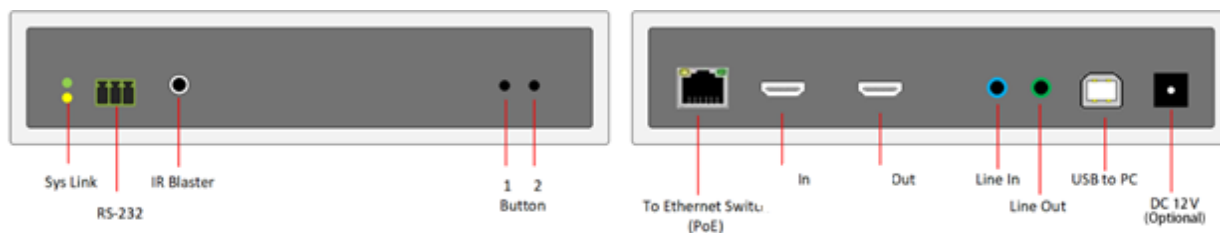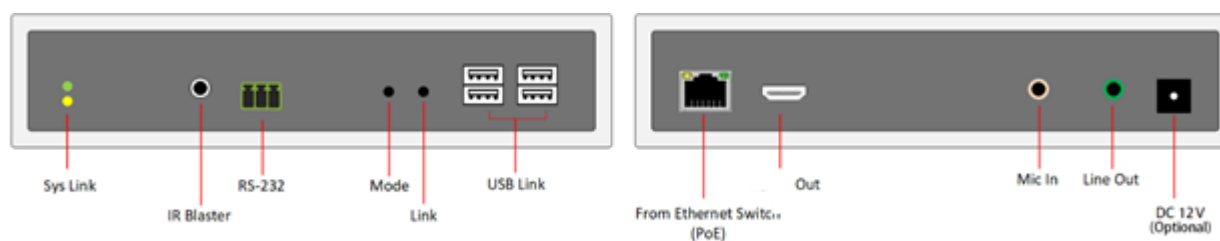
Features

❖ Support 1080p or 4K (3840 x 2160) resolution.

❖ 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 be configured as Video-Wall displays with $180°$, $270°$ Rotation.

❖ Support both HD 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 at the Transmitter site.

❖ Support RS-232 bridge option, you can send RS-232 data in between PC and screens.

❖ Support self-powered, or IEEE802.3af section 33.4.1 Powered Device (PD) that passed the electrical strength test of IEC 60950 sub clause 6.2 of meet the 1500Vdc impulse test.

❖ 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.

AV-9520LT-P

Sys Link   IR Blaster   1   2
RS-232   Button

To Ethernet Switch   In   Out   Line In   USB to PC
(PoE)   Line Out   DC 12V
(Optional)

AV-9520R-P

Sys Link   IR Blaster   RS-232   Mode   USB Link
Link

From Ethernet Switch   Out   Mic In   Line Out
(PoE)   DC 12V
(Optional)

Specification

Beacon
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Model No.		Transmitters	Receiver
		AV-9520LT-P	AV-9520R-P
Connectors	HD Input	1	N/A
	HD Output	1 (loop-out)	1
	Power	DC 12V 1A Self-Powered Or IEEE802.3af Alternative A (power on data pair) or Alternative B (power on spare pair) PSE power supply. Meet the IEEE802.3af section 33.4.1 Powered Device specification and pass the electrical strength of IEC 60950 sub clause 6.2 1500Vdc impulse isolation test.	
	Network Port	1 x RJ45 Gigabit	
	USB Upstream (to PC)	1	N/A
	USB to Devices	N/A	2 x USB 2.0 + 2 x USB 1.1
	Mounting Holes	Yes	
	3.5mm Line-In	1	N/A
	3.5mm Mic-In	N/A	1
	3.5mm Line-Out	1	
	IR remote control (option)	1 x IR Blaster	1 x IR Receiver
	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)	
	Weight	453 g	458 g
	Dimension	150x110x28mm	