AV-95F25

IP based HDMI/USB KVM Extender *with* Video-Wall *over* Optical Fiber



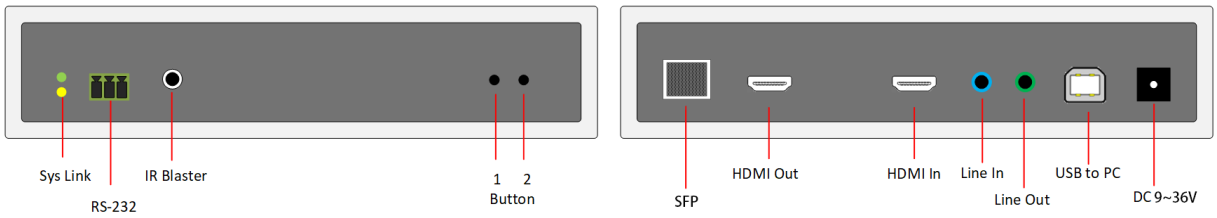
The AV-95F25 is a perfect solution for HDMI with USB/IR/RS232 over IP based SFP Optical Fiber. The system includes AV-95F25TL Transmitter (TX) and AV-95F25R Receiver (RX). The TX connects to PC or Blu-ray player for the HDMI source, the RX connects to display, speaker, microphone, and USB devices. The 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 RXs, receiving IP packets from Ethernet switch then converts back to HDMI, Audio, USB… and send to display, speaker, USB devices. The Encoder/Decoder engine built with Scaler 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, entertainment, boardrooms, courtrooms, medical, military, and education digital signage.

Features

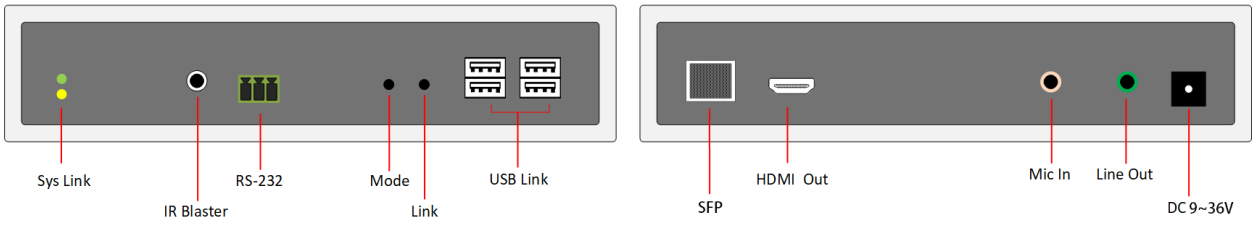
- ❖ Support HDMI 1080p or 1920x1200@60Hz resolution.
- ❖ Support IP based SFP Module: LC/SC connector, SM/MM Optical Fiber.
- ❖ Support Unicast (one-to-one), Multicast (one-to-many) protocol.
- ❖ Support many-to-many based on Ethernet Switch IGMP v2 protocol.
- ❖ Support USB keyboard, mouse, touch, pen-drive over IP for PC KVM control.
- ❖ Support Scaler function, RXs can run on Video-Wall mode with 180, 270° Rotation.
- ❖ Support HDMI and 3.5mm stereo audio.
- ❖ Support IR and RS-232 bridge option.
- ❖ Support HTTP Web page for system parameters settings.
- ❖ Support Connection Manager Software for TXs/RXs Matrix Connection.
- ❖ Support Video-Wall Manager Software for Video-Wall Management.
- ❖ Pure hardware design, plug-and-play, no any software installation is required.
- ❖ FCC, CE, RoHS compliant.

Front, Rear Panel View

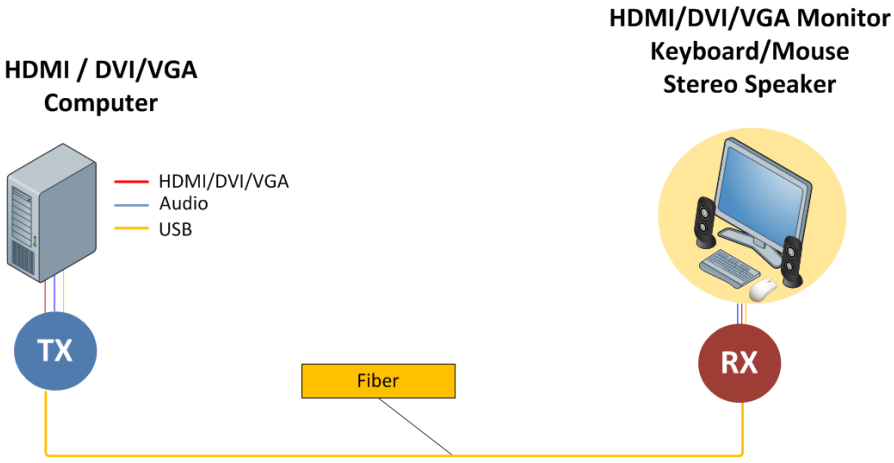
AV-95F25TL



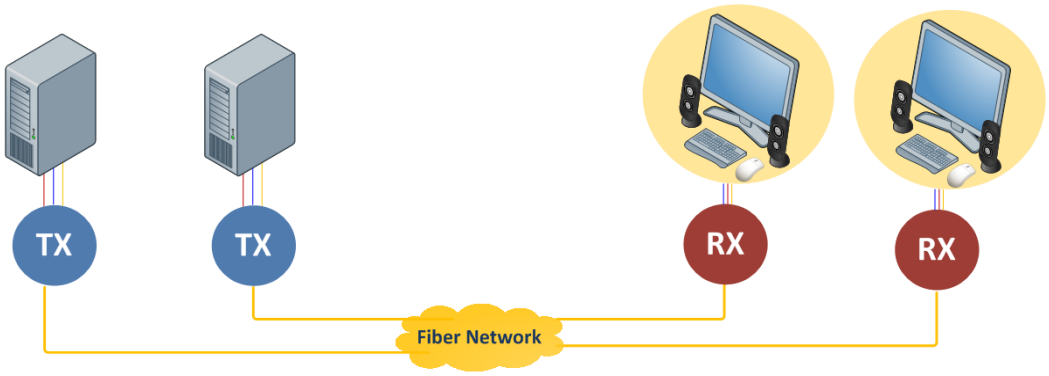
AV-95F25R



Direct Connection



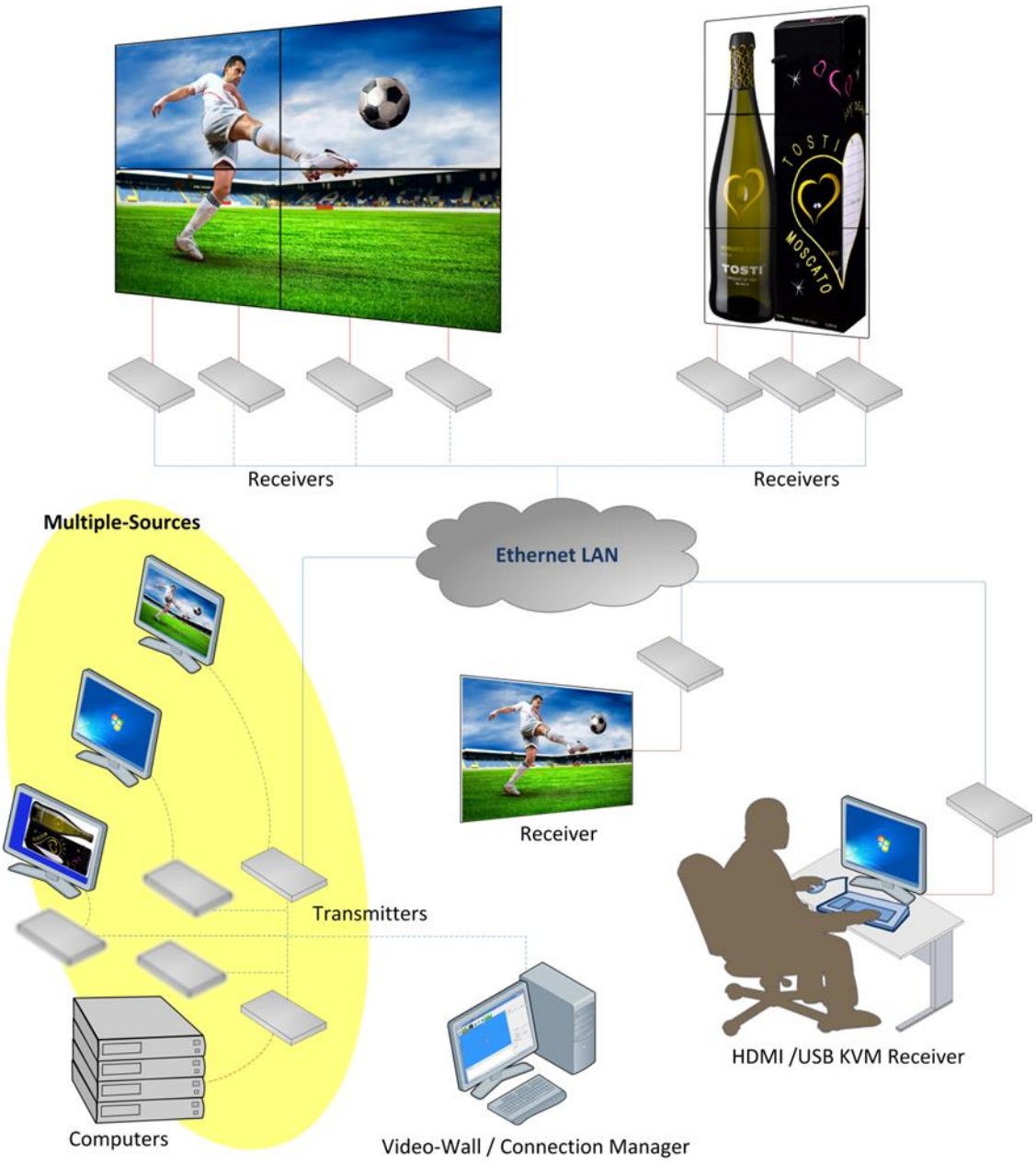
Many to Many



Specification

Model No.		Transmitters	Receiver
		AV-95F25TL	AV-95F25R
Connectors	HDMI input	1	N/A
	HDMI output	1 (loop-out)	1
	Power	DC 9~32V, 15W	DC 9~32V, 20W
	Network Port	1 x SFP Module with LC connector, SM/MM cable	
	USB Upstream (to PC)	1 x USB-B	N/A
	USB to Devices	N/A	2 x USB-A 2.0 + 2 x USB-A 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	
Max. Resolution		1080p or 1920x1200@60Hz	
Inter-connect Range		Single Mode (3KM), or Multi Mode (550 M) Optical Fiber	
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	150x110x28 mm

Diagram


Receivers
Receivers
Multiple-Sources
Ethernet LAN
Receiver
Transmitters
HDMI /USB KVM Receiver
Computers
Video-Wall / Connection Manager