

TSV-EX57

4K HDMI+USB KVM Extender over IP / Fiber

Ultra HD 4K KVM HDMI Extender over IP / Fiber



FEATURES

- 1). 4k UHD HDMI over IP/Fiber Extension
- 2). USB2.0 over IP extension
- 3). Support transmission distance 120m over single Cat5e/6 cable
- 4). Support Fiber optical up to 60KM (Single Mode)
- 5). Support input 4k@60hz YUV 420 (Max), output 4k@30hz (Max)
- 6). HDCP 2.2 / HDCP1.4 compliant
- 7). Support Bi-Directional Wide Band IR (38KHZ-56KHZ) Pass through
- 8). Support RS232 pass through and control, Telnet command
- 9). With IR remote/Button to control the Group ID, with LED to show the Group ID
- 10). Support Dolby True HD, DTS-HD Master Audio
- 11). Input audio: SPDIF 5.1 and L/R Stereo analog Line mixed
- 12). Output audio: SPDIF 5.1 and L/R Stereo Analog audio extraction
- 13). Support Unicast, Multicast, Video Wall system (Max 8x16), Output video Rotation
- 14). 10-Gigabit IGMP Ethernet Switch can be cascaded for many layers
- 15). Support 3D
- 16). Support 5V-18V



SPECIFICATION

Performance	
Protocol	TCP, UDP, RTSP, RTP, DHCP, IGMP, Multicast, IPV4
Support Video format	4K@30HZ, 1080P/1080i/720P/576P/576i/480P/480i
Support Audio format	Stereo 192Kbps
HDCP	HDCP 2.2 Compliant
IR Frequency	38 -56 KHZ
RS232 Baud rate	Default 115200bps, total 8 kinds optional
IP setting &Group ID setting	
Default IP	Automatic allocation
Group ID	Group 00 ~ group 99
Request for Switch/Router	Support IGMP, support DHCP
Connectors on Transmitter	
Input	1xHDMI Female port, 1xUSB B type, 1xanalog Audio line in, 1xSPDIF Audio input
Output	1x RJ45 output, 1x Fiber output
RS232	Phoenix RS232 port
IR	IR TX Port (Support 38K-56KHz) IR Ext Port (Support 38KHz)
Connectors on Receiver	
Input	1xRJ45 input, 1x Fiber input
Output	1x HDMI Female port, 2x USB A type, 1xSPDIF Audio output, 1xAnalog Audio output
RS232	Phoenix RS232 port
IR	IR TX Port (Support 38K-56KHz) IR Ext Port (Support 38KHz)
Environmental & Power Requirements	
Operating temperature	-5 to +35 °C （+23 to +95°F）
Operating Humidity Range	5 to 90%RH (No Condensation)
Power supply	DC 5V
Power consumption	Max 3 watt
Physical	
Dimension	TX: 170x109x26mm; RX: 170x109x26mm
Net Weight	TX: 472.8G ; RX:472.3G

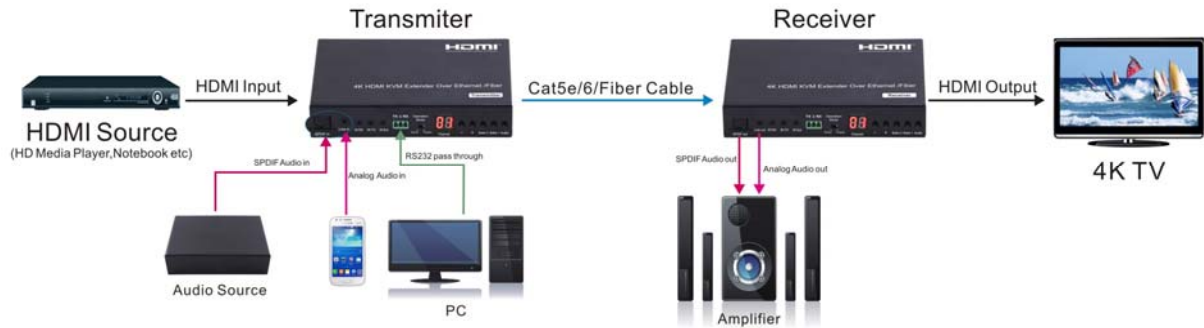
Note1: Specifications are subject to change without notice. Mass and dimensions are approximate.

Note2: **When transmit over Fiber, 4Kx2K requires 3.125G module.**



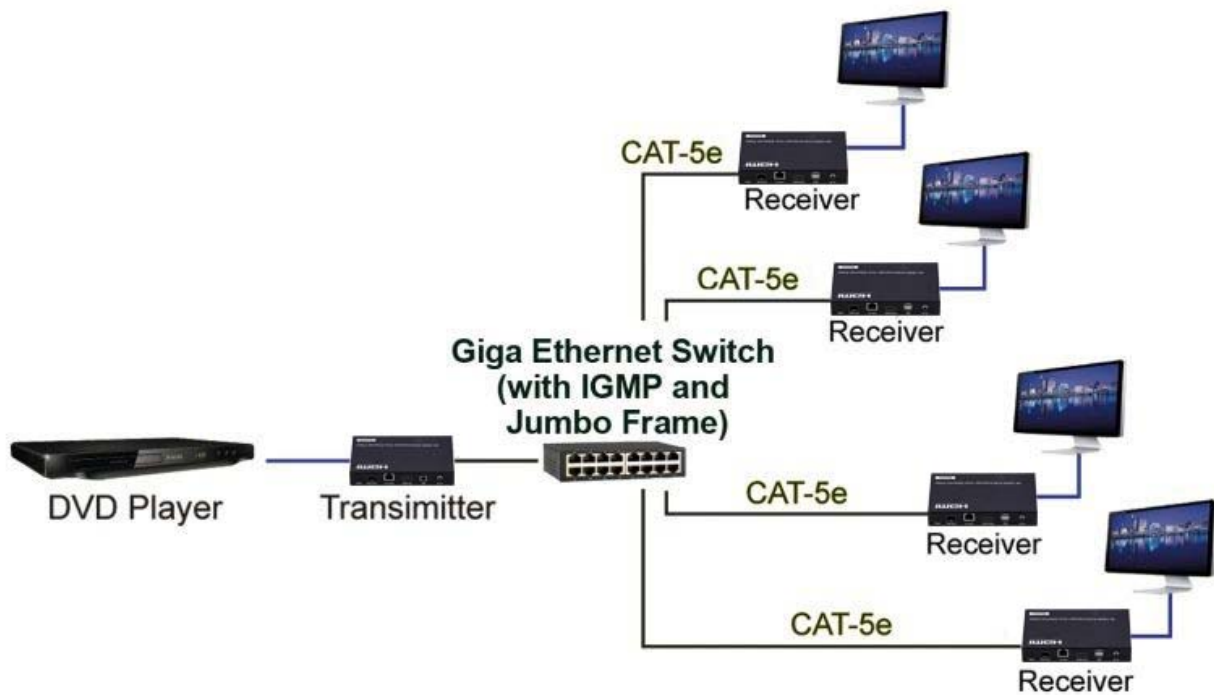
◆ Application Pattern

■ Unicast

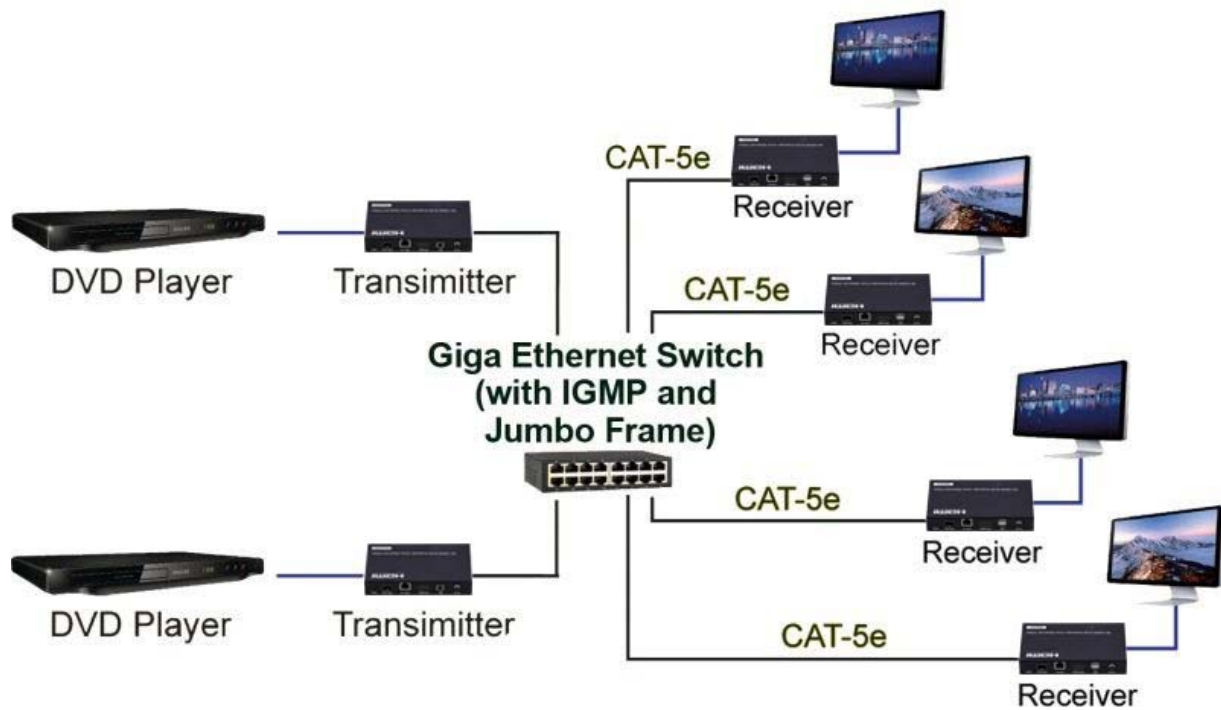


■ Multicast

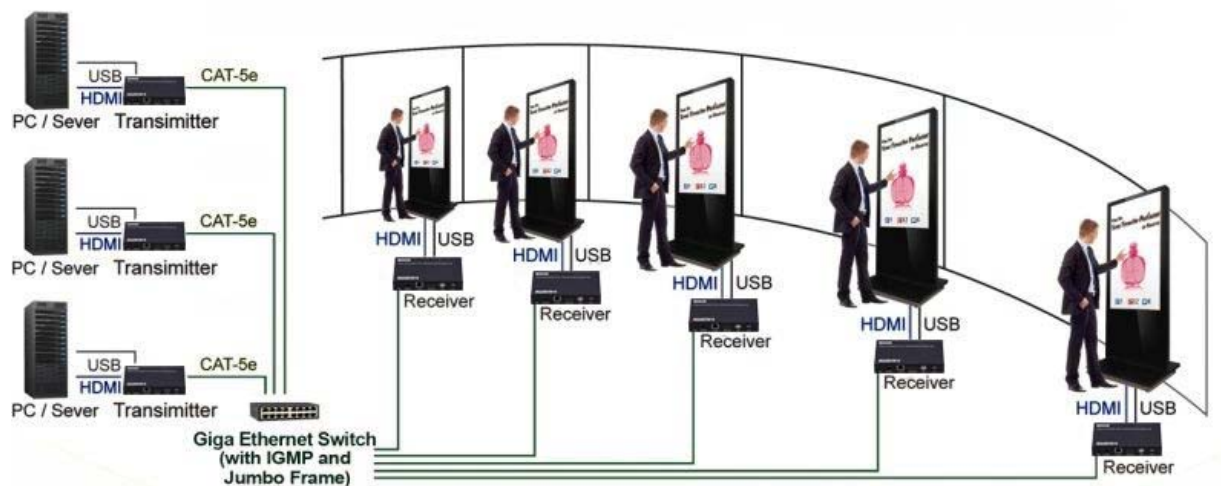
a. Video Distribution



Matrix Distribution



Billboard & Kiosk, PC to HDMI and USB Interactive Monitor



The second way.

Connect all devices with proper cables except video source, please refer t

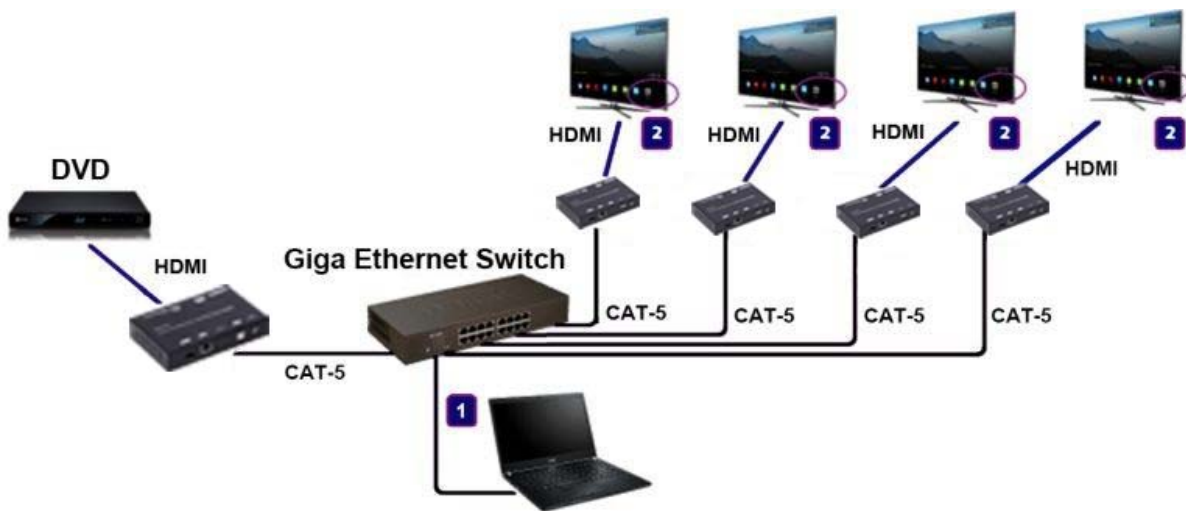


Figure 2. Demonstrate the 4K HDMI & USB Over IP Extender

■ Video Wall

