

PAV-T4602 / PAV-T4603

4K60 Series Transmitter

Features

- Up To 4K@P60-444 Display Resolution
- USB Passthrough
- 1 Frame Latency
- MJPEG Preview
- Support Gigabit Network
- Support KVM Over IP
- Support YUV 4:4:4
- Support Tx Grouping and Authorization
- Support HDCP 2.2

Appearance



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Revision Table

Date	Revision	Content	By
2023/6/20	0.1	First Draft	Jo

PAV-T4602 / PAV-T4603

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Specification

Model	PAV-T4602	PAV-T4603
	Video	
Max. Resolution	3840x2160 @30 (HDMI)	
HDMI Input	Yes	Yes
HDMI	HDMI 2.0b Input (Compatible DVI-D)	
3D Format	HDMI 1.4b 3D:TnB, SbS, F.P	
Color Depth	24, 30, 36 bpp	
HDR	Yes	
HDCP 2.2	Yes (Compatible 1.4, 1.0)	
EDID	Built-in EDID simulator, Support display EDID or customized EDID	
Latency (Tx → Rx, Typ.)	1 frame (about 16ms)	
Compression	Visual Lossless (Compressed Transfer	
Display Input/ Output mix	Support HDMI-in to VGA out, and VGA-in to HDMI-out	
Scaler	Yes (Support Resolution upscaling/ downscaling, interlace → progressive)	
Picture Preview	Yes (Support BMP, PNG, JPG)	
	Audio	
HDMI format	2ch and 8ch LPCM, 5.1ch and 7.1ch NLPCM (Dolby True HD, DTS-HD, Dolby Atmos, DTS:X)	
Port	3.5mm (Stereo)	
Two-way transmission	Analog, under UNICAST mode	
Digital & Analog switch	Yes (Analog → HDMI, or HDMI → Analog)	

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Specification

Model	PAV-T4602	PAV-T4603
	USB Interface	
Max. USB Ports	5	
Support devices	USB in/put devices, Card reader, Storage, etc.	
KVM	Support, OSD menu, Hot key, Multi Rx to 1Tx Control	
Mouse Roaming	Support, Cross platform	
Authorization Control	Support USB type KVM control (Optional)	
	IR	
Frequency	30K to 50K	
Operation	Two-way, Half-duplex	
	GPIO	
Out	2 (0-3.3V)	
In	1 (0-3.3V)	
	RS232	
Speed rate	300 to 115200 bps	
Work mode	Virual, TCP/UDP server, Uni-mode, Brocast mode	
Operation	Two-way, Full-duplex	
	Transmission	
Standard	TCP/IP	
Network	1G/ RJ45 (Suggest CAT5E, CAT6, CAT7 cable), PoE Optional	
Fiber (Optional)	SFP +Support Single/ Multimode, Single/ Duplex LC	
Redundancy	Yes, Electro-Optical switching	

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Specification

Model	PAV-T4602	PAV-T4603
	Other Specs	
Power	DC 5-19V/ 8W (Without USB & Module Power Supply)	
Module Power Out	5V/ 500mA	
Storage Temperature	-30°C to +70°C	
Working Temperature	-10°C to +60°C	
Size	225*118*31 mm	
Weight	540g (Standard)	

Environmental performance may vary according to the integration method or final integration scenario.

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Deliverables

1	4K60 Series Transmitter or 4K60 Series Transmitter With PoE
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Ordering Information

Model Name	Description	Unit
PAV-T4602	4K60 Series Transmitter	1
PAV-T4603	4K60 Series Transmitter With PoE	1

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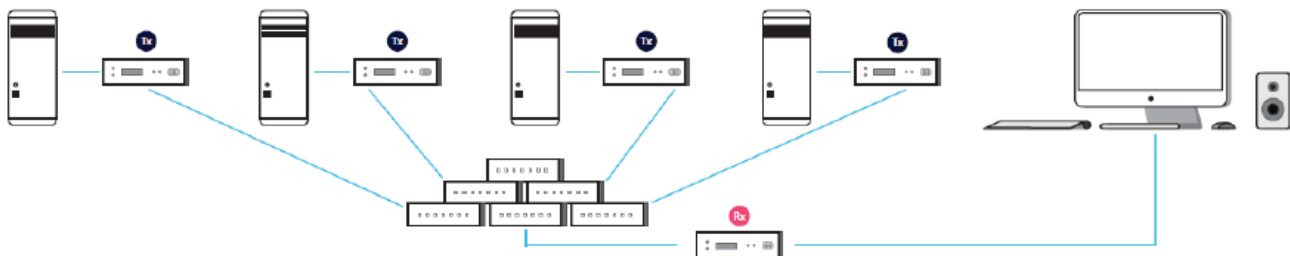
Application Concepts



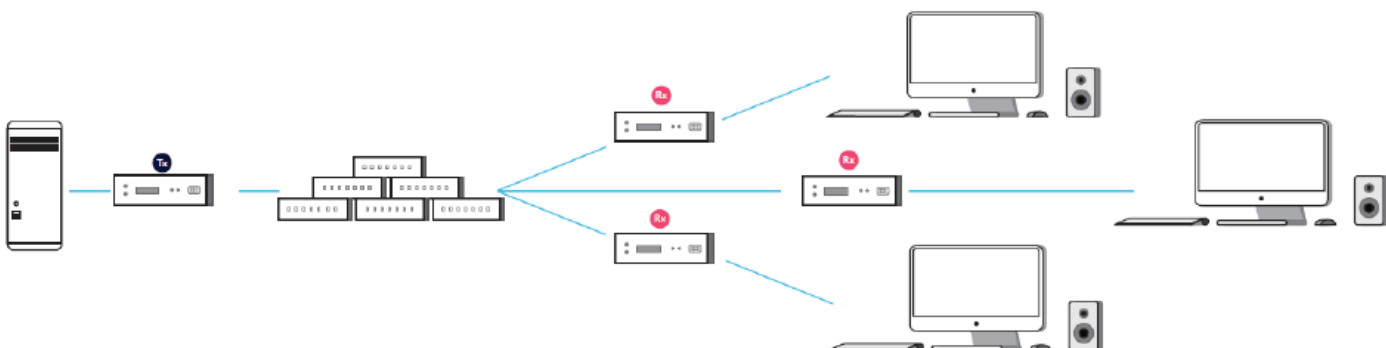
Spot to Spot Mode: Tx – Rx as long distance extension, up to 100m



Spot to Spot Mode: With multiple switch box



One to multiple sources control, switch on Rx end

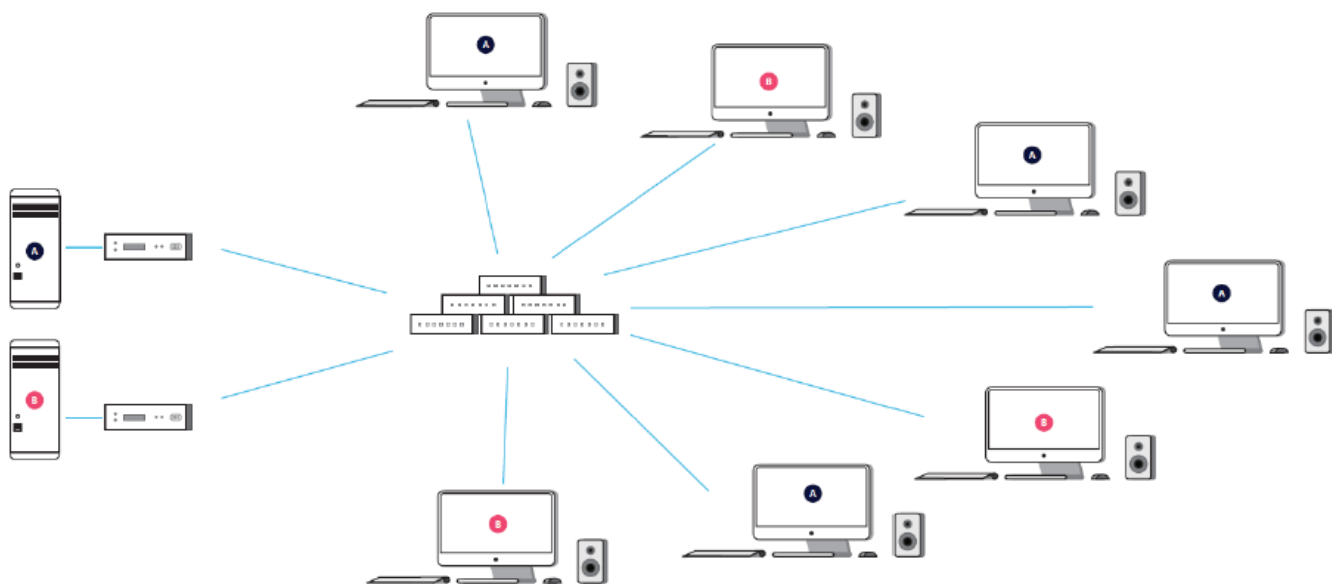


Multiple Rx ends share one source

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Application Concepts



Multiple Tx and Rx Connections