PAV-4604 Series

4K60 AV/KVM over Gigabit Ethernet

Features

- Achieves as Low as 8ms Latency at 4K60

- Provides Nearly Uncompressed Video Quality

- Supports Resolution Scaling, including 4K60 to 1080P and 1080P to 4K60

- Enables MxN Video Wall Configurations with Rotation Options of $180°/270°$

- Offers Seamless Fast Switching with No Tearing, Black Screens, or Frame Lock Issues

- Allows KVM Control for Remote PCs with Hotkeys and OSD Menu Switching

- Features a Customizable On-Screen Display (OSD) on Receivers

- Includes an API for Integration with 3rd-Party Controllers via HTTP, UDP, TCP, or RS232

- Provides Optional Support for AES67 and Licensed Dante Protocol for Audio Networking

- Offers an Add-On PoE (Power Over Ethernet) Module

PAV-T4604 (Transmitter)

PAV-R4604 (Receiver)

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Revision Table

Date	Revision	Content	By
2024/12/22	0.1	First Draft – Proposal	Devin

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Specifications

Item	PAV-T4604	PAV-R4604
Video Input	1x HDMI Type A Input and ARC-Out 1x HDMI (Loop Through with Auto Scale Down)	1x HDMI Type A Output and ARC-In
Analog Audio	1x 3.5mm Stereo Line in 1x 3.5mm Stereo Line out	1x 3.5mm Mono Mic in 1x 3.5mm Stereo Line out
S/PDIF	Toslink (ARC-OUT)	Toslink (ARC-IN)
USB	2x USB 2.0 Type B	3x USB 2.0 Type A 2x USB 1.1 Type A
IR	2x 3.5mm Phone Jack (Receiver and Emit)	2x 3.5mm Phone Jack (Receiver and Emit)
RS-232	1x 3P-Phoneix Connector	1x 3P-Phoneix Connector
Ethernet	1x RJ45 1x SFP Cage	1x RJ45 1x SFP Cage
Control I/O	4x Customize GPIO 1x 5V200mA Output	4x Customize GPIO 1x 5V200mA Output
Button	2x Tact Switch	2x Tact Switch
LED	6x Status Indicator	6x Status Indicator

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Item	PAV-T4604	PAV-R4604
Support		
HDMI Compliance	HDMI 2.0a (DVI 1.0)	
HDCP	2.2	
Max Resolution	4096 x 2160@60 (HDMI) 4:4:4	
Video Scaler	Yes	
Audio Format	HDMI Audio: 7.1 LPCM 192kHz, Dolby True HD, DTS-HD Master Audio, ATMOS, DTS:X, SPDIF	
Audio Net	2CH for Optional DANTE AV-A (Need Licensee) or AES67	
ARC	HDMI or S/PDIF	
IR	20-60KHz Half-Duplex, Support Proton Code	
USB	KM over IP, USB over IP, USB Policy Supported, HW_USB over IP	
Control I/O	TTL 3V	
RS-232	300-11520bps, Serial over IP, TCP/UDP Server or Command Mode	
KVM	OSD Management, Hotkey to Specified Function, Mouse Roaming	
Video Wall	No Limit Display, Support Rotation 180 and 270 Degree	
Power		
Power Supply	DC12V 1A	
POE	Optional POE Add-On Module	

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Environment Compliance

Item	PAV-T4604	PAV-R4604
Operation	-20 to 65℃	
Storage	-40 to 85℃	
Humidity	Up to 90%	
Measure	220 x 102 x 30mm / 550g	

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

Deliverables

1	4K60 over IP Transmitter
2	4K60 over IP Receiver
3	12V 1A Power Adapter

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Ordering Information

Model Name	Description	Unit
PAV-T4604	4K60 over IP Transmitter	1
PAV-R4604	4K60 over IP Receiver	1
PD3012	12W PD Add-On Module	1
D8-AVA2	DANTA AV-A Embedded	1
D8-AES67	AES67 Embedded	1

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