

PB9700

4K Dolby Vision HDR, Dolby ATMOS/DTS X Audio Support



Dante® AES67

USB C Port
DP Alt. Mode

AV over IP

4K60
4:4:4 HDR

Way to Control

AV Master Web Control

3rd Party Controller Integration

Keyboard HotKeys Control

AV Matrix

VideoWall

USB IP KVM

HDR

HDCP 2.2

Audio Over IP

- 4K60Hz 4:4:4 Video and Audio Over Inexpensive 1 Gbps Ethernet Network
- 36-bit color video engine support all HDR formats including Dolby Vision
- Ultra Low Latency Mode 4K60Hz video pass-thru below 4ms
- Dante/AES67 Audio Bridge In/Out interoperability with other audio equipment
- HDMI/USB-C auto detect/manual switch dual inputs on Sender. USB C support both DP Alt. Mode and USB 2.0 Link

- USB-C/A ports on Receiver supports keyboard, mouse, USB drive, webcam & touchscreen
- Upscale/Downscale Video to fit display requirement
- HDMI eARC, ARC & S/PDIF Audio Return support
- Great Video Wall, Matrix and KVM Versatility
- Seamless Cross Multiple Displays KVM Switching
- Video Sub-Stream for viewing video snapshot on connected iPad/Tablet/Notebook
- Powerful Centralized Web Interface Management
- Easy Large Matrix/VideoWall Configuration with CSV File managed by MS Excel

PB9700 Sender

Front

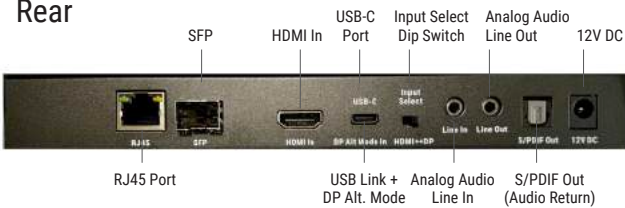


PB9700 Receiver

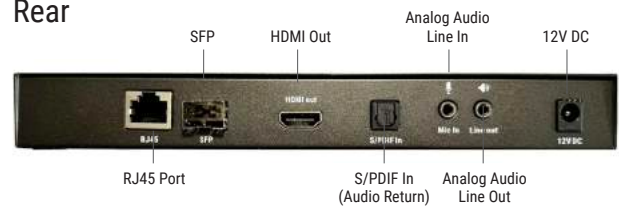
Front



Rear



Rear



SPECIFICATION	PB9700
IP Network	
Connecting Topology	1 to 1, 1 to N, N to 1 (IP KVM), Many to Many
Ethernet Technology	120M(UTP CatX cable), KMs (Fiber, depend on GBIC modules) via Gigabit Managed Switch(IGMP Snooping & 8Kb JumboFrame required)
PoE Support	IEEE 802.3af
Video Over IP	
Interface	HDMI(DVI Compatible)/DisplayPort (USB C DP Alt. Mode) In, HDMI Out
Max Supported Video Format & Timing	HDMI / Up tot 2160p60Hz YUV 4:4:4 @ 60 fps In/Out Dobly Vision/HDR 10/HDR10+/HLG HDR format pass-thru Support, HDMI 1.4b 3D: TnB, SbS, F.P Display Port : 4Kx2K@60Hz 4:2:2, Color Depth 12bit, HDR. DVI : 1920x1200@60Hz
Ultra Low Latency Mode	4K60Hz Below 4ms, 1080p60Hz below 6ms Latency may higher when VideoWall enabled, or scaler enabled with rotation/different frequency between video in and out.
Built-in 4K Video Scaler	Down Scale or Up Scale on Receiver HDMI Output Video Resolution/Timing
Audio Over IP	
AES67	2x2 ch, LPCM Only, Up to 96Khz, Discovery by SAP. Bridge Mode: Aavara ↔ AES67 device.
Dante Audio	Dante AV-A 2x2 ch, LPCM Only, Up to 96Khz. Bridge Mode: Aavara ↔ Dante device. PB9700DNT-SE Sender, PB9700DNT-RE Receiver Only
Audio Pass-Thru	
Digital Audio Pass-Thru (via HDMI port)	Uncompressed Audio Signal Pass-thru, Multichannel LPCM, Dolby TruHD/ATMOS, DTS HD
Analog Audio Pass-Thru (via 3.5mm Audio Jacks)	Two Way: Sender to Receiver(Multicast/Unicast Mode), Receiver to Sender(Unicast Mode Only)
HDMI Audio Extraction to Analog Audio Output	Sender HDMI In (2Ch LPCM 32KHz~96KHz) to Receiver HDMI Video/Audio + Analog Audio Out
HDMI Embedded with Analog Audio Input	Sender HDMI Video+Analog Audio In to Receiver HDMI Video/Audio + Analog Audio Out
Audio Return Channel	
S/PDIF	S/PDIF in on Receiver pass-thru to S/PDIF out on Sender, Up to 5.1ch Dolby Digital (AC3).
eARC/ARC	ARC up to 5.1ch Dolby Digital. eARC up to 7.1 Dolby ATMOS/DTS X/LPCM.
USB/RS232/IR Pass-Thru	
Sender USB port	1 x Type C (USB Link + DP Alt. Mode)
Receiver USB Ports	USB 2.0: 1 x Type C, 1 x Type A. USB 1.1 : 2 x Type A w/ Keyboard/Mouse Emulation.
RS232 Redirection	Pass-Thru(Between Sender and Receiver RS232 ports) or IP Command at 300~115200bps
IR Redirection	Two Way directions(Sender to Receiver, Receiver to Sender)
VideoWall	
Video Wall Function	Max. 16 x 16 by Web Control, More by IP commands
Image Rotate & Video Stretch	0, 90, 180, 270 degree, Horizontal/Vertical Flip, Video Stretch or Not Stretch
Feature	Model/SKU
Dante / AES67	Sender/Tx: PB9700DNT-SE, Receiver/Rx: PB9700DNT-RE
AES67 only	Sender/Tx: PB9700-SE, Receiver/Rx: PB9700-RE