

3G ULTRA 749AVP Rackmount

VBS-HDIP-749AVP

Just Add
Power



Dolby Digital 5.1 Downmix with Stereo Out & USB

The 3G Ultra 749A Rackmount 3-in-1 Transmitter distributes 4K video over a single Cat5e cable, along with Dolby Digital 5.1.

Distribute Dolby Pro Logic II audio to pass multichannel audio to multichannel zones and stereo audio to 2-channel zones. The 749A encodes a 4K or lower-resolution source device into an IP signal and sends it over the network with ultra-low latency and instant switching; and supports USB 2.0 and KVM; along with all the 4K system wide features from the 3G Ultra product line.

Features

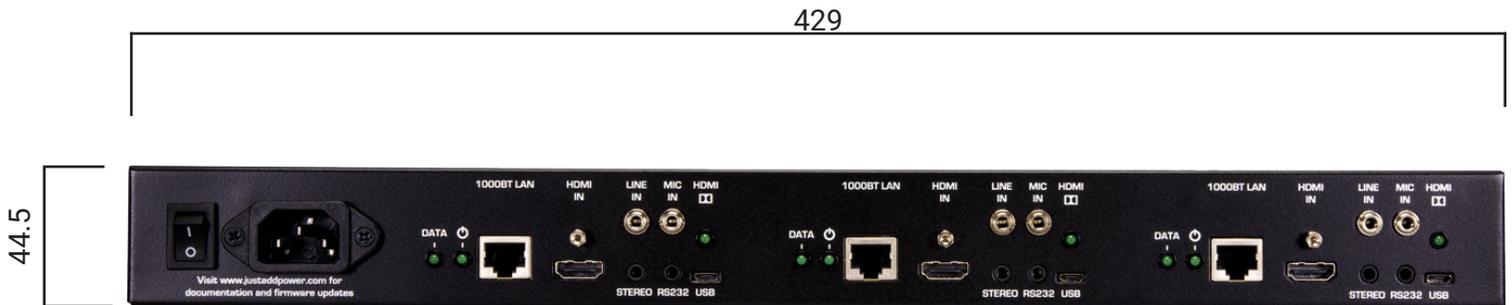
Audio	Dolby Digital 5.1 & stereo simultaneously	Image Pull	Preview an image from any source or display in any web browser or control system - up to 10 fps
	Analog audio mixable with HDMI audio	Integrated Endpoint Control	Control endpoints with RS232, CEC and IR
	Stereo audio output 3.5mm	Scalability	Fully compatible with all 3G Ultra and 2G Omega products
	Adjustable volume & delay		
HDCP 2.2 Support	Display content with HDCP 2.2 copy/content protection on any HDMI screen in system		

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Port Side:



All measurements in millimeters (mm)

Specifications

Bandwidth	180-500 Mbps	Power Usage	30 watts maximum
Compliance	HDCP 2.2 RoHS/FCC/CE	Ports	3 x Gigabit Ethernet 3 x HDMI In 3 x 3.5mm Line-In 3 x 3.5mm Mic-In 3 x 3.5mm Stereo Out 3 x 3.5mm RS232 w/ null modem 3 x Micro-USB 2.0
Dimensions & Weight	429 x 44.5 x 250 mm 17" x 1.75" x 9.8" in (19-inch rack, 1 RU) 3.0 kg / 6.6 lb	Power Supply (included)	Standard power cable IEC 60320 C13/C14
Encryption	AES-128 Encryption	Supported Resolutions	Up to 4096x2160 (interlaced & progressive)
Operating Temp	0-60 °C / 32-140 °F		

Specifications

Encoding/Decoding

Video Codec	AGIC-G1 Proprietary Visually Lossless Video Codec
Audio Codec	Proprietary I2S Lossless Audio Codec
Bit Rates	300 to 850 Mbps
Latency	Ultra-low latency 16ms @ 1080p60 & 720p60 33ms @ 4K30
Streaming Protocols	IP, UDP, TCP, ICMP, IGMP
Copy Protection	HDCP 2.2, AES-128 Encryption

Video

Maximum Resolutions	High Dynamic Range HDR10 4K30 4:4:4 HDR 8-bit 4K30 4:2:0 HDR 12-bit 1080p60 4:4:4 HDR 12-bit
Input Signal Types (Encoder)	HDMI
Output Signal Types	HDMI
Scaler (Decoder)	720p up to 4K30 with many options inbetween

Audio

Input Signal Types	HDMI, Analog Stereo
Output Signal Types	HDMI, Analog Stereo
Digital Formats	Dolby Atmos, DTS:X, Dolby TrueHD, DTS-HD, Dolby Digital, Dolby Pro Logic, DTS, LPCM up to 8 channels
Analog Formats	Stereo 2-channel up to 96 kHz

Power

Power Consumption	10 watts maximum during operation 0 watts when idle
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Compliance

CE, FCC, RoHS

Communication & Control of External Devices

Ethernet	1Gb RJ-45 for control and AV
USB	USB 2.0
Serial/RS-232	Bi-directional control and monitoring
HDMI	CEC, EDID (Transmitter)
Infrared (IR)	Available with add-on

Connectors

LAN	8-pin female RJ-45 1000Base-T POE (802.3af)
HDMI Input	HDMI Type A female
HDMI Outputs (Transmitter loopout & Receiver output)	HDMI Type A female
RS232	3.5mm female
Stereo Output	3.5mm female
USB (Receiver)	USB Type-A female (x2)
USB (Transmitter)	Micro-USB female (x1)

Environmental

Cooling	Convection / no fan (no moving parts)
Temperature	0-60 C / 32-140 F
Heat Dissipation	34 BTU/hr
Acoustic Noise	0 dBA