

3G ULTRA 759A Video Tiler

VBS-HDIP-759A

Just Add
Power



View 4 Sources on 1 Display

The 3G Ultra 759A Video Tiler gives any Just Add Power system the ability to mix four video sources from any Transmitter and combine those into a new, unique, compiled video source that can be viewed by any Receiver in the matrix.

Tile four (or more) HDMI sources on a single display in a variety of viewing modes: single-screen, video wall, or tiled video at the same time. Like any standalone Receiver, the Receivers in the 759A Video Tiler can watch any source in the system and can then be shown on any display in the system.

Multiple video tilers can be combined to add even more sources on a single display.

Features

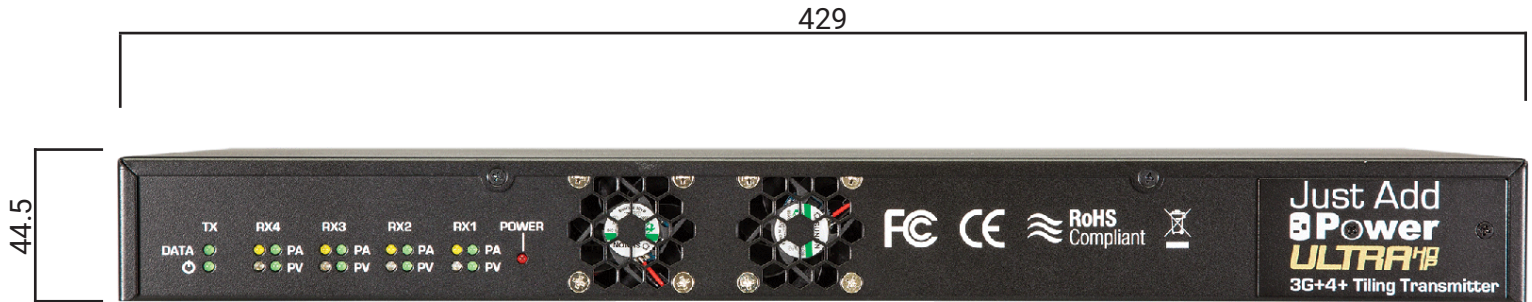
Combine Video Tilers	Stack two or more tilers together to break the 4-tile limit. There is no limit to the number of tiles. A single tiler can show up to 4 sources on any receiver. Two tilers can show up to 7 sources on any Receiver. Continuing this pattern: each additional tiler adds 3 video sources to your Just Add Power system.	HDMI	Local HDMI Out
Custom Layouts	Create and build custom layout sizing and placement	Image Pull	Provides a more powerful user experience giving the control system the capability of displaying a preview image inside the user interface
		Resolution	Mix any resolution source
		Scalability	Fully compatible with all 3G Ultra products

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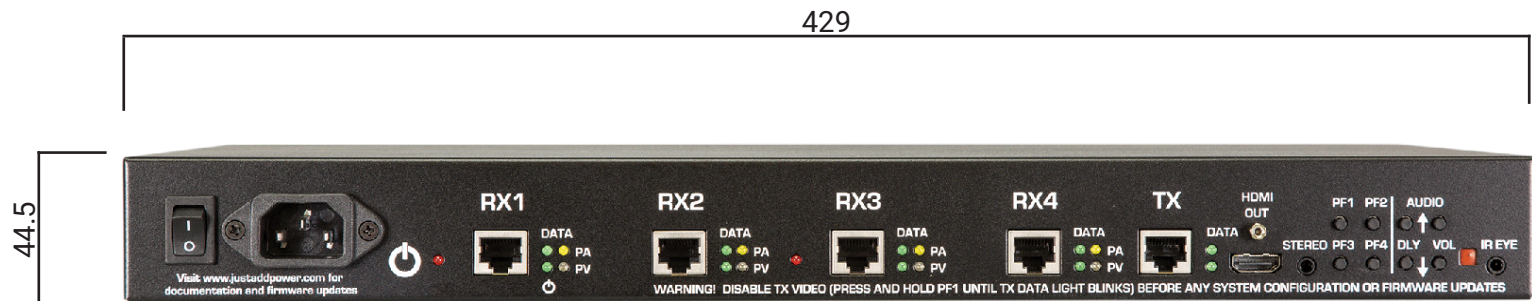
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Front of Device:



All measurements in millimeters (mm)

Back of Device:



All measurements in millimeters (mm)

Specifications

Bandwidth	Up to 600 Mbps	Ports	Gigabit Ethernet (x5) HDMI Out 3.5mm Stereo Out IR Eye
Compliance	HDCP 2.2 & RoHS/FCC/CE	Power Supply (included)	IEC 60320 C13/C14 50 watts maximum
Dimensions & Weight	429 x 44.5 x 250mm 17" x 1.75" x 9.8" inch (19-inch rack, 1 RU) 2.9 kg / 6.4 lb	Supported Video & Audio	Up to 4096x2160 2-channel PCM
Encryption	AES-128 Encryption		
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