

3G ULTRA Warp Engine Transmitter

VBS-HDIP-737POE

Just Add
Power



Viewing Video from a Different Angle

The 3G Ultra Warp Engine Transmitter rotates any video signal in 0.1° degree increments.

A single Warp Engine Transmitter can build a full Artistic Video Wall with displays rotated at any angle and the ability to show any source in the system!

The Warp Engine Transmitter is fully compatible with all 3G Ultra installations. Add a single Warp Engine to provide rotation to all displays. Multiple Warp Engines can be combined to produce more complex Artistic Video Walls.

Features

Artistic Video Wall

Create, build and watch your new video wall come to life with the ability to rotate your displays up to 360 degrees.

Image Pull

Provides a more powerful user experience giving the control system the capability of displaying a preview image inside the user interface

Scalability

Fully compatible with all 3G Ultra Products

Video Rotation

Rotate any HDMI source in a Just Add Power matrix in 0.1° degree increments

Rotate your video up to 360° degrees

Any video input from 3G system

New, rotated video output

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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	POE	20 watts maximum
Compliance	HDCP 2.2 & RoHS/FCC/CE	Ports	2 x Gigabit Ethernet
Dimensions & Weight	220x44.5x124m/8.66x1.75x4.88inch (19-inch rack, 1 RU with wings) 0.64 kg / 1.4 lb	Power Supply (not included)	DC12V, 2A minimum 5.5mm/2.1mm, Positive tip
Encryption	AES-128 Encryption	Supported Video & Audio	Up to 4096x2160 Uncompressed multi-channel audio
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