ULTRA Series
UL-737POE (VBS-HDIP-737POE)

Just Add Power
AV over IP Solutions

Warp Engine Encoder with 360° Video Rotation

The Ultra Series 737POE Warp Engine Encoder rotates any video signal in 0.1° degree increments. Distribute 4K video over a single Cat5e or greater network cable.

A single Warp Engine Encoder 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 Encoder is fully compatible with all Ultra Series 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.

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.

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All specifications subject to change without notice.

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Video

Maximum Input	4096x2160, 60fps, 24-bit color depth, YUV420 4096x2160, 30fps, 36-bit color depth, YUV420 4096x2160, 30fps, 24-bit color depth, YUV444 2560x1440, 60fps 1920x1080, 120fps 1920x1080, 60fps, 36-bit color depth, YUV444
Maximum Output	4096x2160, 30fps, 24-bit color depth, YUV444
Dynamic Range	SDR, HDR10, HLG
Video Scaler	720p to 2160p30, 2x up, 1/2 down
HDMI Standard	HDMI 2.0a

Compliance

Certification	FCC/CE/ROHS/RCM
HDCP Compliance	2.2

Endpoint Control

Endpoint Control Features	Serial Pass-through, Serial over IP, IR over IP, and CEC over IP

On-Screen Graphics

OSD	On-Screen Display
Image Pop	Graphic Overlay
Image Pull	Generate Live Video Thumbnail
Image Push	Display Custom Background Image When No Video is Showing

Video Wall

Orientation: (90 ° increments)	Standard Landscape, Standard Portrait, Mosaic
Rotation: (0.1 ° increments)	0-360 ° Video Rotation Artistic

Network

Maximum Bandwidth	850 Mbps
Average Bandwidth	50-300 Mbps
Video Codec	Proprietary AGIC-G1 Visually Lossless
Audio Codec	Proprietary I2S Lossless
Encryption	AES-128 Hardware Based Crypto Engine

UL-737POE Specifications

Dimensions	220 x 44.5 x 124 mm 8.7 x 1.75 x 4.9 inch (19-inch rack, 1 RU with wings)
Weight	0.74 kg / 1.6 lb
Rear Side Ports	2x RJ-45 (1Gb Network)
Power Supply	12V, 20 Watts 5.5mm/2.1mm positive tip
Operating Temp	0-60 °C / 32-140 °F
Device Type	Encoder
POE	IEEE 802.3at (25.5W) Maximum 20 Watts
Video Rotation	0 to 360 Degrees
Release Date	November 2019

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Front of Device:

44.5

220

All measurements in millimeters (mm)

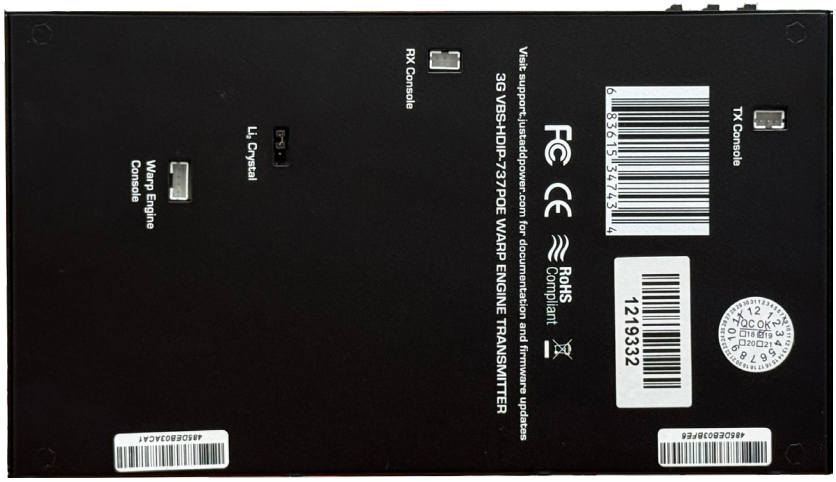
Back of Device:

44.5

220

All measurements in millimeters (mm)

Bottom of Device:



124

220

All measurements in millimeters (mm)

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Need product images for your marketing?

Check out our Sales Partner Resource Page!

www.justaddpower.com/sales-partner-resources/

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