ULTRA Series
UL-518AVP (VBS-HDIP-518AVP)

Just Add Power
AV over IP Solutions

4K Decoder with USB and Stereo Audio Out

The Ultra Series 518AVP Decoder distributes 4K video and supports all audio formats over a single Cat5e or greater network cable.

The 518AVP Decoder processes a 4K or lower-resolution source from a Just Add Power Encoder and distributes video to the designated display; supports stereo audio with adjustable volume and delay; features integrated endpoint control and KVM support; along with all the system wide features from the Ultra Series product line.

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All specifications subject to change without notice.

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Video

Maximum Input	4096x3840, 60fps, 24-bit color depth, YUV420 4096x3840, 30fps, 36-bit color depth, YUV420 4096x3840, 30fps, 24-bit color depth, YUV444 2560x1440, 60fps 1920x1080, 120fps 1920x1080, 60fps, 36-bit color depth, YUV444
Maximum Output	4096x3840, 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

USB (KVM)

USB Standard	USB 2.0
USB Features	Keyboard, Mouse, Touchscreen, Gaming Controller or Joystick, USB Flash Drive, PTZ Camera Control Devices

Video Wall

Orientation: (90 ° increments)	Standard Landscape, Standard Portrait, Mosaic

Audio

Supported Audio	All Audio Formats
Stereo Audio Maximum Sample Rate	96kHz

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-518AVP Specifications

Dimensions	184 x 30 x 127 mm 7.2 x 1.2 x 5.0 inch
Weight	0.51 kg / 1.1 lb
Rear Side Ports	RJ-45 (1Gb Network) HDMI Out 3.5mm 2-Way RS232 3.5mm Stereo Out
Front Side Ports	2x USB-A 2.0
Power Supply	5V-18V, 10W 5.5mm/2.1mm, positive tip
Operating Temp	0-60 °C / 32-140 °F
Device Type	Decoder
POE	IEEE 802.3af (15.4W) Maximum 10 Watts
Release Date	September 2015

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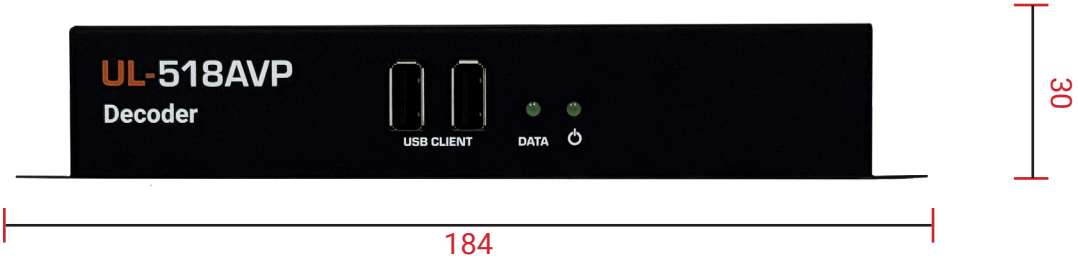
Front of Device:

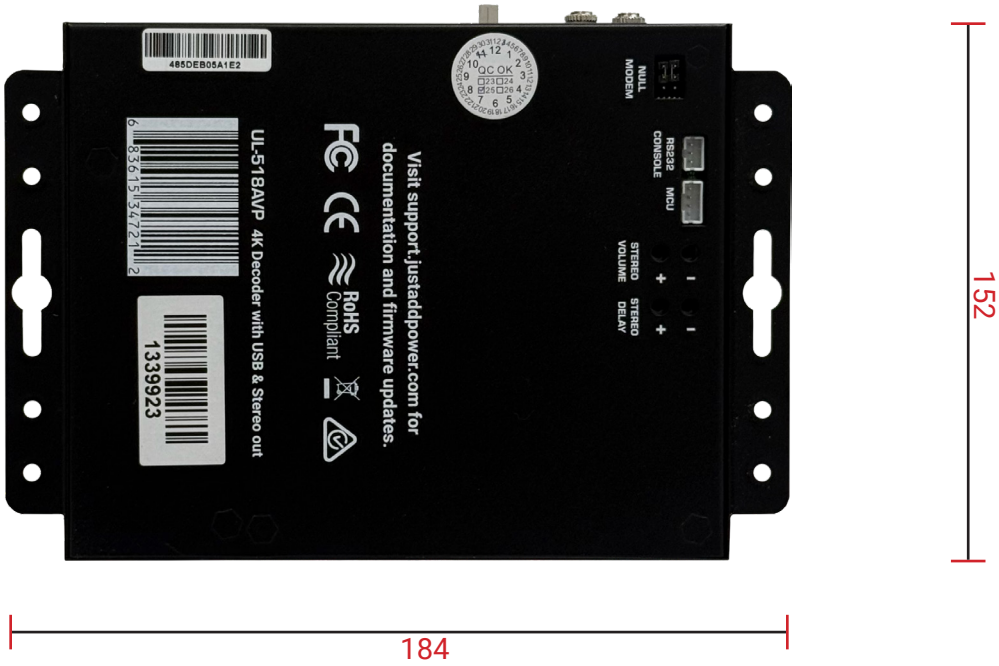


All measurements in millimeters (mm)

Back of Device:

All measurements in millimeters (mm)

Bottom of Device:



All measurements in millimeters (mm)

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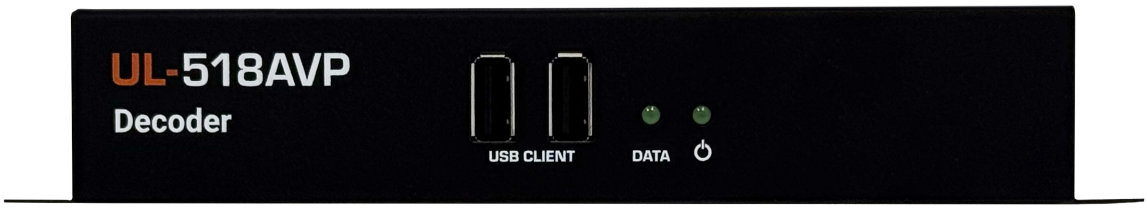
Just Add Power

Need product images for your marketing?

Check out our Sales Partner Resource Page!

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



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