

ULTRA Series

UL-509POE (VBS-HDIP-509POE)

Just Add
Power
AV over IP Solutions

4K Daisy-Chain Decoder with added POE Network Out



The Ultra Series 509POE Decoder distributes 4K video and supports all audio formats over a single Cat5e or greater network cable.

The 509POE Decoder processes a 4K or lower-resolution source from a Just Add Power Encoder and distributes video to the designated display; features a network out port and DHCP integration; supports multiple decoders on single LAN port - along with all the system wide features from the Ultra Series product line.

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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

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-509POE Specifications

Dimensions 161 x 30 x 123 mm
6.3 x 1.2 x 4.8 inch

Weight 0.44 kg / 0.97 lb

Rear Side Ports 2x RJ-45 (1Gb Network)
HDMI Out
3.5mm 2-Way RS232

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

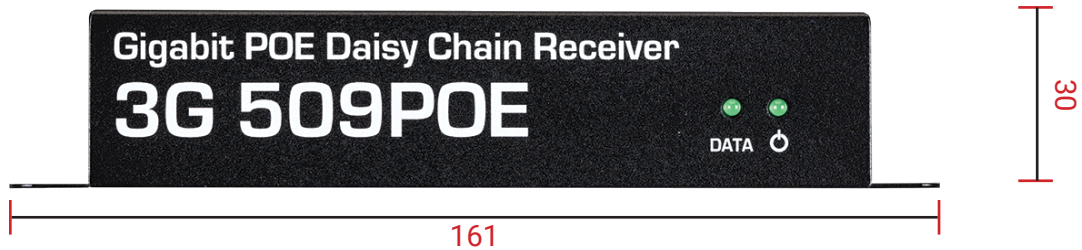
Release Date June 2018

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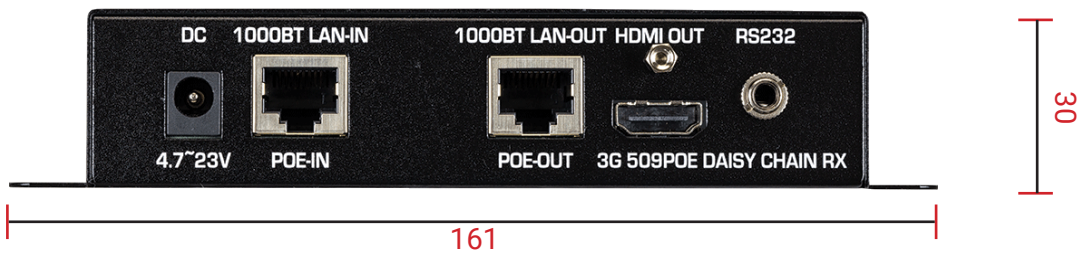
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Front of Device:



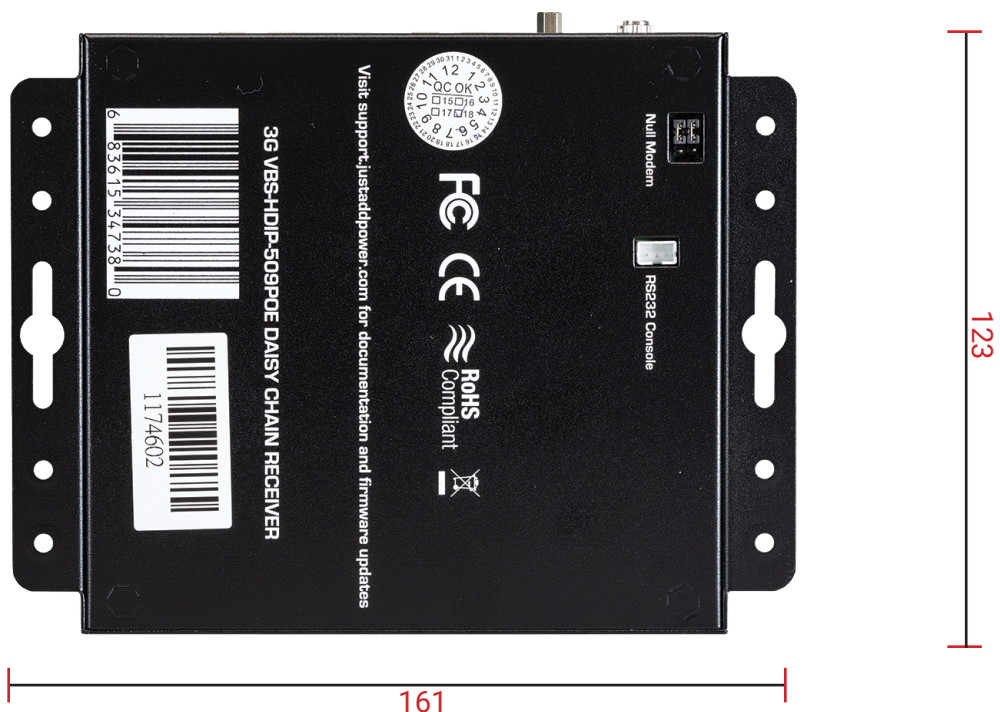
All measurements in millimeters (mm)

Back of Device:



All measurements in millimeters (mm)

Bottom of Device:



All measurements in millimeters (mm)

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Need product images for your marketing?

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

