

# 3G ULTRA 707POE Transmitter

VBS-HDIP-707POE

Just Add  
**Power**

## All Audio Capable Transmitter

The Just Add Power 3G Ultra 707POE Transmitter supports all lossless audio formats – including Dolby Atmos ®.

Distribute 4K video and lossless audio over a single Cat5e cable to every zone. The 707POE encodes a 4K or lower-resolution source device into an IP signal and sends it over the network with ultra-low latency and instant switching; along with all the 4K system wide features from the 3G Ultra product line.



### Features

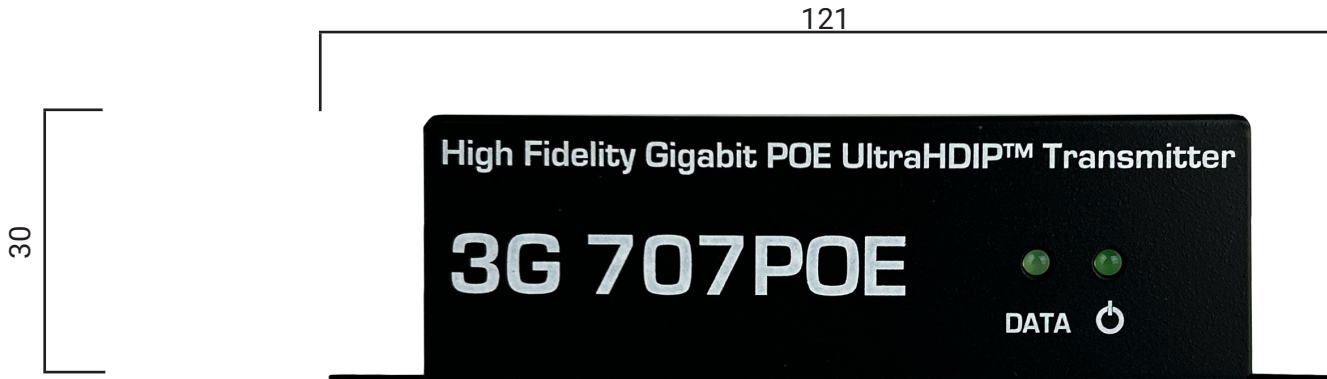
<b>Audio</b>	All lossless audio supported - including Dolby Atmos ®	<b>Integrated Endpoint Control</b>	Control endpoints with RS232 and IR
<b>HDCP 2.2 Support</b>	Display content with HDCP 2.2 copy/content protection on any HDMI screen in system	<b>Scalability</b>	Fully compatible with all 3G Ultra and 2G Omega products
<b>Image Pull</b>	Preview an image from any source or display in any web browser or control system - up to 10 fps		

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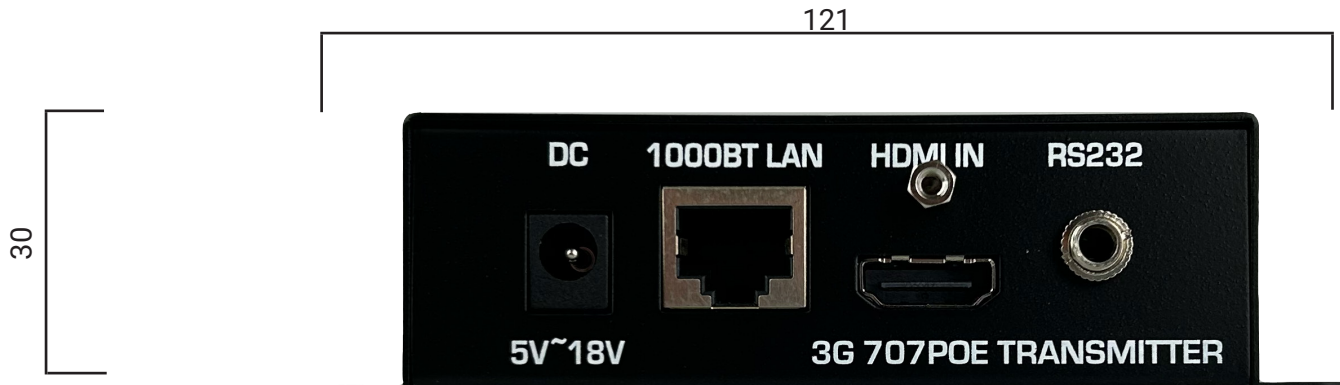
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## Front of Device:



All measurements in millimeters (mm)

## Back of Device:



All measurements in millimeters (mm)

## Specifications

<b>Bandwidth</b>	180-500 Mbps	<b>POE</b>	10 watts maximum
<b>Compliance</b>	HDCP 2.2 RoHS/FCC/CE	<b>Ports</b>	Gigabit Ethernet HDMI In 3.5mm RS232 w/null modem
<b>Dimensions &amp; Weight</b>	121 x 30 x 125 mm 5.0" x 1.2" x 4.9" in 0.27 kg / 0.6 lb	<b>Power Supply (not included)</b>	~4.7 - 23V 5.5mm/2.1mm, Positive tip
<b>Encryption</b>	AES-128 Encryption	<b>Supported Resolutions</b>	Up to 4096x2160 (interlaced & progressive)
<b>Operating Temp</b>	0-60 °C / 32-140 °F		

## Specifications

### Encoding/Decoding

<b>Video Codec</b>	AGIC-G1 Proprietary Visually Lossless Video Codec
<b>Audio Codec</b>	Proprietary I2S Lossless Audio Codec
<b>Bit Rates</b>	300 to 850 Mbps
<b>Latency</b>	Ultra-low latency 16ms @ 1080p60 & 720p60 33ms @ 4K30
<b>Streaming Protocols</b>	IP, UDP, TCP, ICMP, IGMP
<b>Copy Protection</b>	HDCP 2.2, AES-128 Encryption

### Video

<b>Maximum Resolutions</b>	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
<b>Input Signal Types (Encoder)</b>	HDMI
<b>Output Signal Types</b>	HDMI
<b>Scaler (Decoder)</b>	720p up to 4K30 with many options inbetween

### Audio

<b>Input Signal Types</b>	HDMI, Analog Stereo
<b>Output Signal Types</b>	HDMI, Analog Stereo
<b>Digital Formats</b>	Dolby Atmos, DTS:X, Dolby TrueHD, DTS-HD, Dolby Digital, Dolby Pro Logic, DTS, LPCM up to 8 channels
<b>Analog Formats</b>	Stereo 2-channel up to 96 kHz

### Power

<b>Power Consumption</b>	10 watts maximum during operation 0 watts when idle
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### Compliance

CE, FCC, RoHS

### Communication & Control of External Devices

<b>Ethernet</b>	1Gb RJ-45 for control and AV
<b>USB</b>	USB 2.0
<b>Serial/RS-232</b>	Bi-directional control and monitoring
<b>HDMI</b>	CEC, EDID (Transmitter)
<b>Infrared (IR)</b>	Available with add-on

### Connectors

<b>LAN</b>	8-pin female RJ-45 1000Base-T POE (802.3af)
<b>HDMI Input</b>	HDMI Type A female
<b>HDMI Outputs (Transmitter loopout &amp; Receiver output)</b>	HDMI Type A female
<b>RS232</b>	3.5mm female
<b>Stereo Output</b>	3.5mm female
<b>USB (Receiver)</b>	USB Type-A female (x2)
<b>USB (Transmitter)</b>	Micro-USB female (x1)

### Environmental

<b>Cooling</b>	Convection / no fan (no moving parts)
<b>Temperature</b>	0-60 C / 32-140 F
<b>Heat Dissipation</b>	34 BTU/hr
<b>Acoustic Noise</b>	0 dBA