

3G ULTRA 709P2P Transmitter

VBS-HDIP-709P2P

Just Add
Power

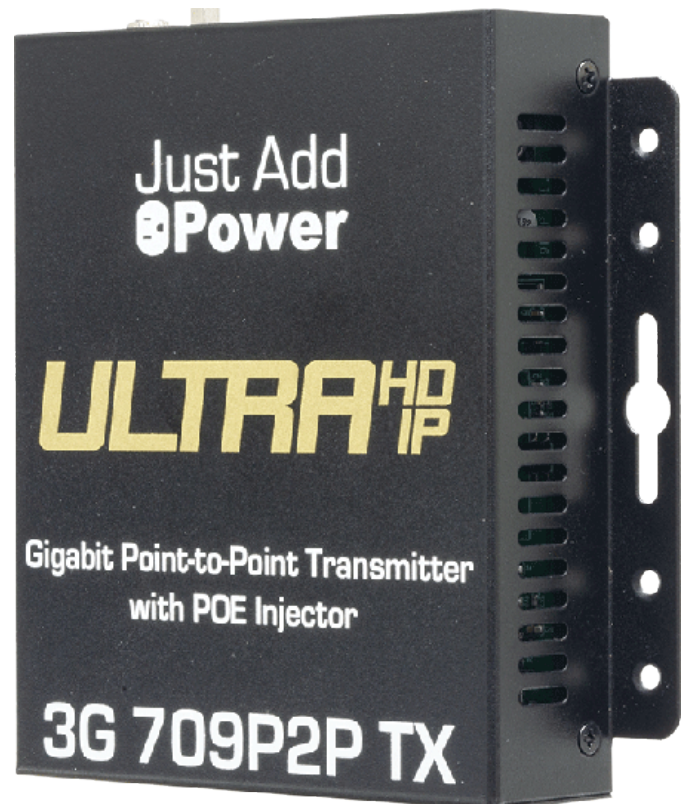
All Audio Capable with 40W POE Injector Transmitter

The 3G Ultra 709P2P Transmitter utilizes a single power input to distribute video, audio, and power over Ethernet to all downstream devices over the network.

Specifically Built for Point-to-Point up to 40W

Combine with any Just Add Power Receiver to create a simple point-to-point connection, or with the 509POE Daisy-Chain Receiver to distribute video, audio and POE to up to four screens.

Ideal for single-source 2x2 video wall installations.



Features

Audio	All lossless audio supported
Integrated Endpoint Control	Control endpoints with RS232, IR, and CEC

Image Pull	Preview an image from any source or display, in any web browser or control system, at up to 10 fps
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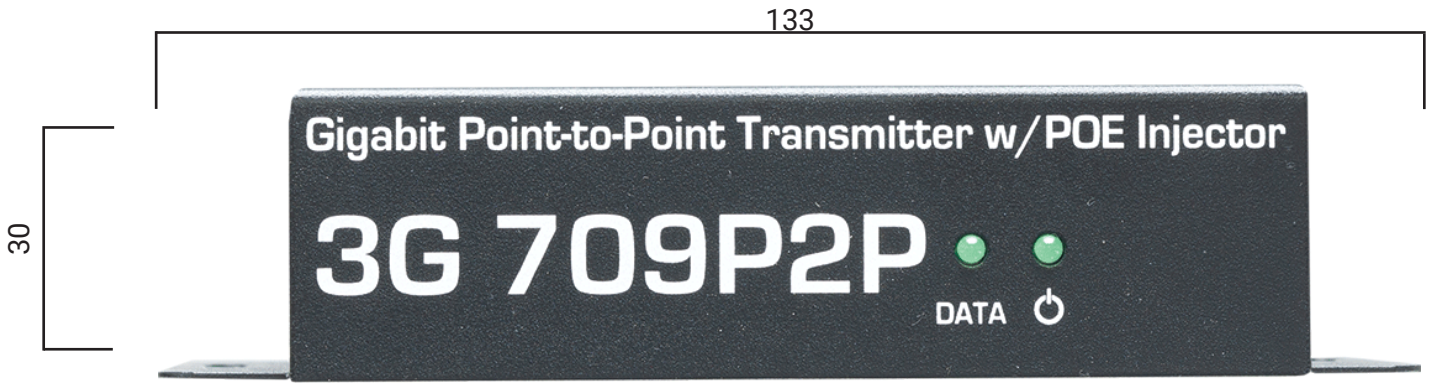
Scalability	Fully compatible with all 3G Ultra and 2G Omega products
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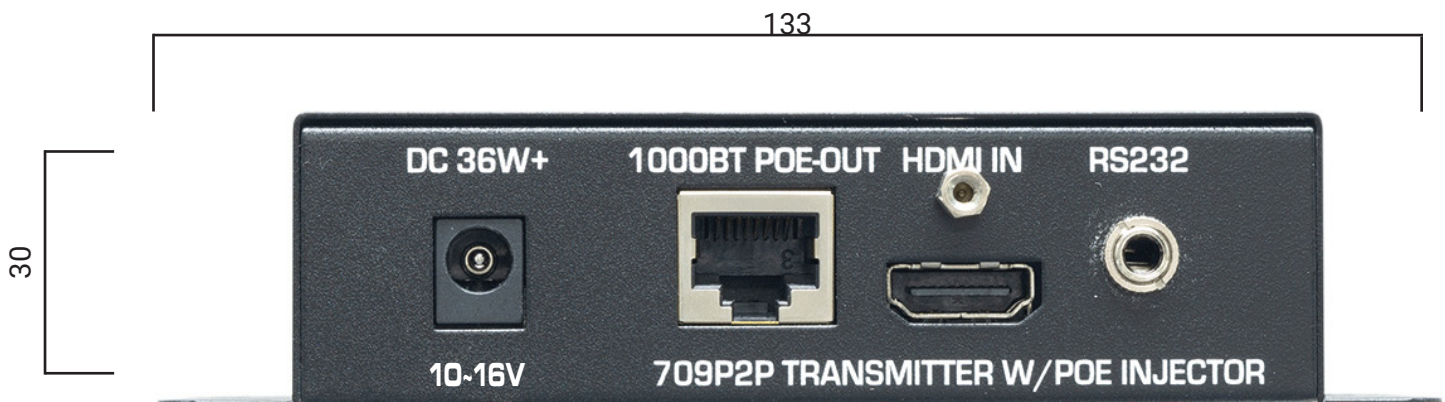
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Front of Device:



All measurements in millimeters (mm)

Back of Device:



All measurements in millimeters (mm)

Specifications

Bandwidth	180-500 Mbps	POE Out	40 watts maximum 10 watts per POE device
Compliance	HDCP 2.2 RoHS/FCC/CE	Ports	Gigabit Ethernet HDMI In 3.5mm RS232 w/null modem
Dimensions & Weight	133x 30 x 125 mm 4.9" x 1.2" x 5.2" inch 0.36kg / 0.8 lb	Power In	10~16V 20 watts minimum 5.5mm/2.1mm, Positive tip
Encryption	AES-128 Encryption	Supported Resolutions	Up to 4096x2160 (interlaced & progressive)
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