

2G OMEGA 715POE Transmitter

VBS-HDIP-715POE

Just Add
Power

KVM Support, HDMI Loopout and Stereo Out 1080p Transmitter

The 715POE Transmitter combines the enhanced audio and feature-set of the 3G Ultra system with the maximum 1080p resolution of 2G Omega devices.

In 3G Ultra systems, the 2GΩ/3G Transmitter provides a lower-cost solution for sources that output 1080p resolution or lower.

The 715POE encodes a 1080p or lower-resolution source device into an IP signal and sends it over the network with ultra-low latency and instant switching; supports integrated endpoint control and all lossless audio; along with all the 1080p Transmitter system wide features from the 2G Omega product line.



Features

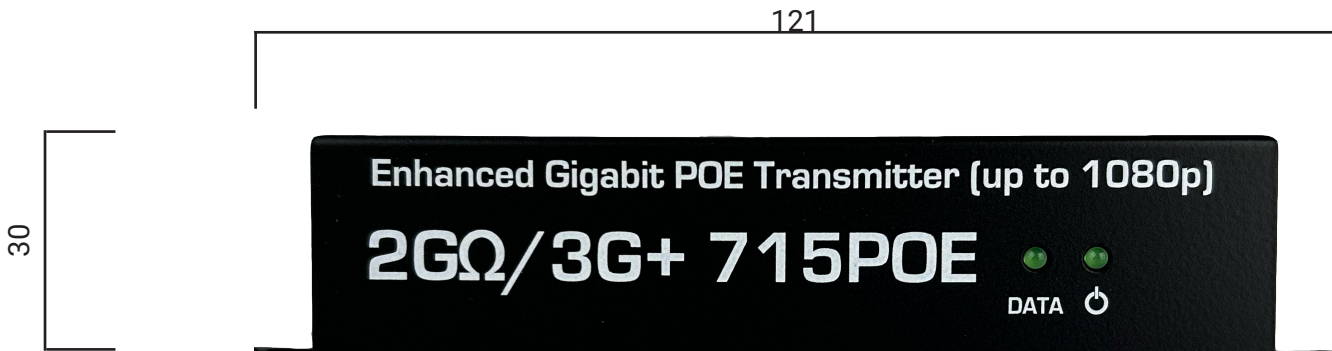
Audio	All lossless audio supported - including Dolby Atmos®	Integrated Endpoint Control	Control endpoints with RS232, IR and CEC
HDCP 2.2	Display content with HDCP 2.2 copy/content protection on any HDMI screen in your system	KVM Support	Provide local and remote access to all computers on the system with a built-in keyboard, mouse and touchscreen interface at both ends of a connection.
Image Pull	Preview an image from any source or display, in any web browser or control system, at up to 10 fps	Scalability	Fully compatible with all 3G Ultra and 2G Omega products

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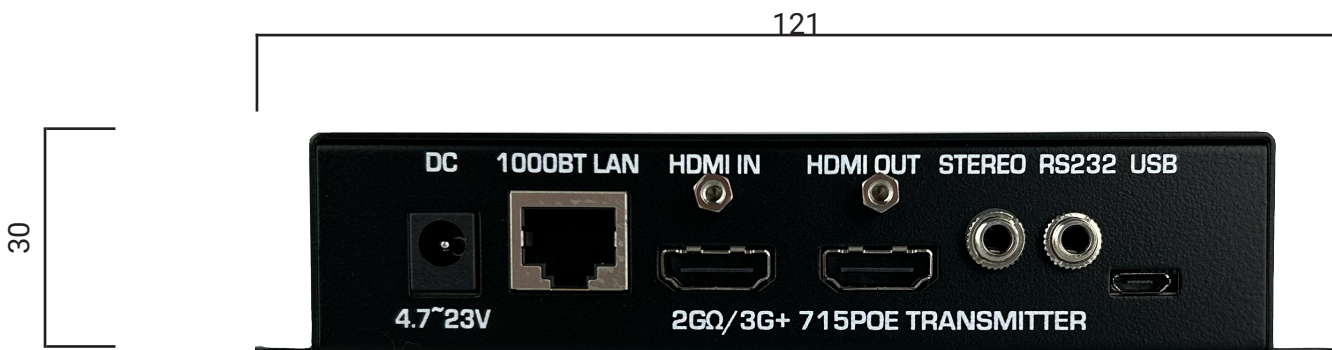
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Front of Device:



All measurements in millimeters (mm)

Back of Device:



All measurements in millimeters (mm)

Specifications

Bandwidth	180-500 Mbps	POE	10 watts maximum
Compliance	HDCP 2.2 RoHS/FCC/CE	Ports	Gigabit Ethernet HDMI In HDMI Out 3.5mm Stereo Out 3.5mm RS232 w/null modem Micro-USB
Dimensions & Weight	158 x 30 x 127 mm 6.2" x 1.2" x 5.0" inch 0.36 kg / 0.8 lb	Power Supply (not included)	~4.7-23V 5.5mm/2.1mm, Positive tip
Encryption	AES-128 Encryption	Supported Resolutions	Up to 1920x1200 (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
Streaming Protocols	IP, UDP, TCP, ICMP, IGMP
Copy Protection	HDCP 2.2, AES-128 Encryption

Video

Maximum Resolutions	High Dynamic Range HDR10 1080p60 4:4:4 HDR 12-bit
Input Signal Types (Encoder)	HDMI
Output Signal Types	HDMI
Scaler (Decoder)	720p up to 1080p60 with many options inbetween

Audio

Input Signal Types	HDMI, 3G-SDI, TVI
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
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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)
Infrared (IR)	None

Environmental

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