SDI Input, HDMI Loopout, and Stereo Out Transmitter

The 725POE Transmitter adds SDI support, HDMI loopout and stereo out to to any Just Add Power video distribution system.

Add a SDI source to your HD over IP system without the need for an SDI-HDMI converter.

The 725POE Transmitter encodes a 1080p or lower source device into an IP signal and sends it over the network with ultra-low latency and instant switching; and features image pull, stereo output with audio delay, and RS232 and IR control of sources.

Features

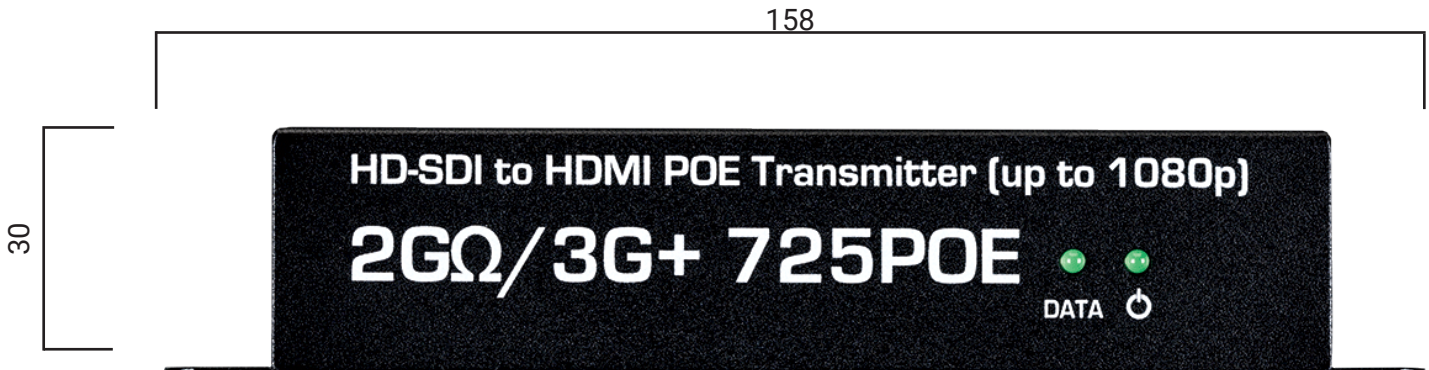| Audio	Supports 48kHz audio sample rate, 8 channels, 16~24 bits	Image Pull	Preview an image from any source or display,in any web browser or control system, at up to 10 fps
	Analog audio output		
HDMI	HDMI pass-through	Scalability	Fully compatible with all 3G Ultra and 2G Omega products
Integrated Endpoint Control	Control endpoints with RS232 and IR		

2G OMEGA 725POE Transmitter

VBS-HDIP-725POE

Just Add Power

Front of Device:

158

30

HD-SDI to HDMI POE Transmitter (up to 1080p)

2GΩ/3G+ 725POE

DATA

All measurements in millimeters (mm)

Back of Device:

158

30

DC   1000BT LAN   HD-SDI IN   HDMI OUT   STEREO RS232

4.7~23V   2GΩ/3G+ 725POE TRANSMITTER
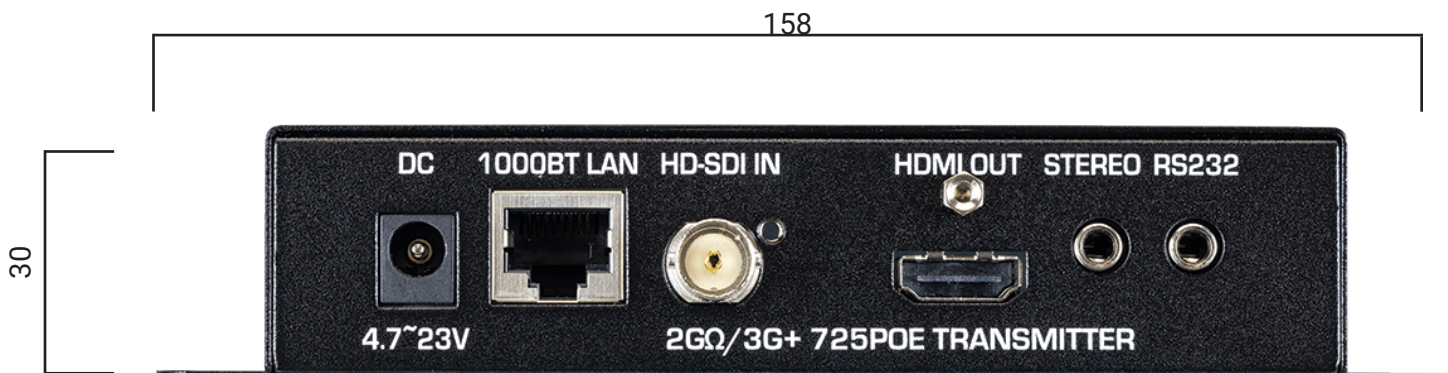
All measurements in millimeters (mm)

Specifications

Bandwidth	180-500 Mbps	**POE**	10 watts maximum
Compliance	RoHS/FCC/CE	**Ports**	Gigabit Ethernet SDI In HDMI Out 3.5mm Stereo Out 3.5mm RS232 w/null modem
Dimensions & Weight	158 x 30 x 125 mm 6.2" x 1.2" x 4.9" inch 0.54 kg / 1.2 lb		
Encryption	AES-128 Encryption	**Power Supply (not included)**	DC5V, 2A minimum 5.5mm/2.1mm, Positive tip
Operating Temp	0-60 °C / 32-140 °F	**Supported Resolutions**	Up to 1080p 50/60Hz PC: 1920x1200 SDI: SD/HD/3G

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

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