2G OMEGA 505POE Receiver

VBS-HDIP-505POE

Just Add Power

All Audio Capable 1080p Receiver

The 505POE Receiver 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 Receiver provides a lower-cost solution for sources that output 1080p resolution or lower.

The 505POE receives and processes a 1080p or lower-resolution source from a Just Add Power Transmitter and distributes video to the designated display; supports all lossless audio and HDCP 2.2; along with with all the 1080p Receiver system wide features from the 2G Omega product line.

Features

HDCP 2.2 — Display content with HDCP 2.2 copy/content protection on any HDMI screen in your system

Image Pop — Display a custom logo or message as an overlay on any active screen

Image Push — Load a custom default image or logo for when no source is displayed onscreen

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

Video Rotation — Rotate your video by 90° for portrait or landscape display

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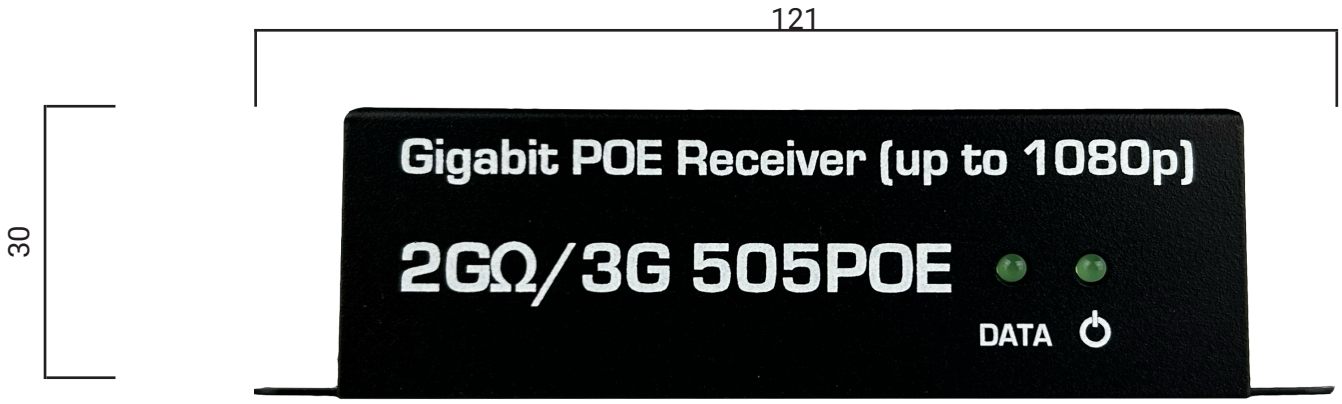
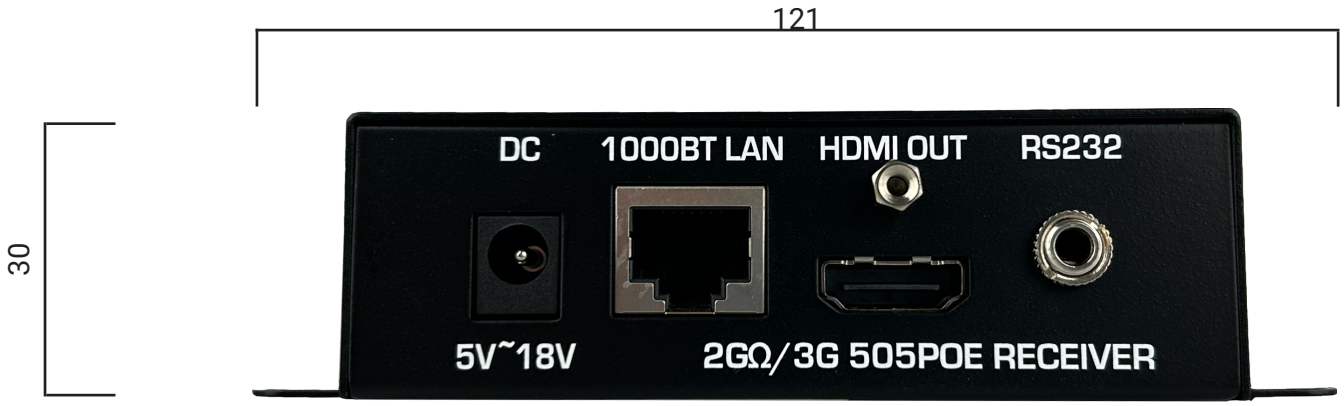
Front of Device:



All measurements in millimeters (mm)

Back of Device:



All measurements in millimeters (mm)

Specifications

Bandwidth	180-500 Mbps
Compliance	HDCP 2.2 RoHS/FCC/CE
Dimensions & Weight	158 x 30 x 127 mm 6.2” x 1.2” x 5.0” inch 0.36 kg / 0.8 lb
Encryption	AES-128 Encryption
Operating Temp	0-60 °C / 32-140 °F
POE	10 watts maximum
Ports	Gigabit Ethernet HDMI Out 3.5mm RS232 w/null modem
Power Supply (not included)	~4.7-23V 5.5mm/2.1mm, Positive tip
Supported Resolutions	Up to 1920x1200 (interlaced & progressive)

2G OMEGA
Product Line Specifications

Just Add Power

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