3G ULTRA Sound Transceiver



VBS-HDIP-ST1

Mix audio and video in new and unique ways.

Use the Ultra 3G ST1 Sound Transceiver to add a stereo audio source to a Just Add Power system, or to extract stereo audio from an existing system source.

This audio-only device works seamlessly with all our other products in a 3G Ultra system. Thanks to our unmatched scalability, this device is also compatible with our 2G Omega systems.



Combine Just Add Power Transmitters, Receivers and the Sound Transceiver in the same installation. You can watch the big game while listening to radio commentary, give a presentation by mixing PC video with microphone audio, or even add audio return channel from a SmartTV.

Features

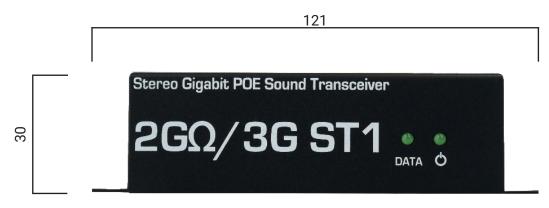
Integrated Endpoint Control	Control endpoints with RS232 & IR	Transceiver	Audio Input – Transmitter Mode Audio Output – Receiver Mode
Scalability	Fully compatibile with all 3G products		Set to Transmitter or Receiver mode by a jumper on the bottom of the device
Stereo Audio	Stereo audio with variable audio -46.5dB to +12dB	Vis	RS232 Console Null Modem
	Input stereo audio to play on any other Receiver		Move jumper to set mode TX F© CE ≈ RoHS Compliant
	Output stereo audio from any other Transmitter		2GΩ/3G VBS-HDIP-ST1 SOUND TRANSCEIVER

3G ULTRA Sound <u>Transceiver</u>



VBS-HDIP-ST1

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	RoHS/FCC/CE	Ports	Gigabit Ethernet Stereo In/Out
Dimensions & Weight	121x30x125mm/5.0x1.2x4.9 inch 0.27kg / 0.6 lb	Power Supply (not included)	3.5mm RS232 w/ null modem ~4.7-23V 5.5mm/2.1mm, positive tip
Encryption	AES-128 Encryption	(not included)	5.5Hilli/ 2. Hilli, positive up
Operating Temp	0-60 °C / 32-140 °F	Supported Audio	2-channel audio 192kHz/24-bit

3G ULTRA Product Line Specifications



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 High Dynamic Range HDR10

Resolutions 4K30 4:4:4 HDR 8-bit 4K30 4:2:0 HDR 12-bit 1080p60 4:4:4 HDR 12-bit

Input Signal Types HDMI

(Encoder)

HDMI Output Signal Types

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

Compliance

CE, FCC, RoHS

Communication & Control of External Devices

1Gb RJ-45 for control and AV **Ethernet**

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 &

HDMI Type A female Receiver output)

RS232 3.5mm female 3.5mm female **Stereo Output**

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