



10G SDVoE HDMI 4K60 4:4:4 over IP w/Videowall and Multiview with USB 2.0 and integrated Dante Fiber Transceiver

This transceiver is an SDVoE-Compliant, All-In-One AV over IP solution that provides the highest-quality, uncompressed 4K and zero-frame audio/ video extension over a standard 10G Fiber Network Switch with instant switching, Video Wall, and Multiview functions. It can transfer advanced HDMI content such as HDR (high dynamic range), full-color depth, and multi-channel HD Bitstream audio. A flexible transceiver design (one box can be set to encoder or decoder) is much more convenient in an installation site and inventory control. Integrated 2 channel Dante allows for the audio to be sent to a distributed audio system. Multiple control and data signals can be simultaneously transmitted with audio and video, including bi-directional IR, RS-232, USB KVM, CEC, and 1G Ethernet.

Featured Highlights

- HDMI 2.0b and HDCP 2.2 compliant
- Supports video resolution up to 4K@60Hz 4:4:4, 18Gbps video bandwidth
- Flexible transceiver design (Encoder, Decoder, Copper, and Fiber port within a single box)
- Encoder or Decoder mode can be set via Button or API
- The Encoder supports HDMI Loop out
- Supports HDR10, Dolby Vision, HLG, 3D as well
- Supports complete HDMI audio formats, up to Dolby TrueHD, Dolby Atmos, and DTS-HD, DTS:X
- Supports Zero-Frame latency operating mode
- Supports signal extension, seamless switching, Matrix, Video Wall up to 9x9, and Multiview up to 25 windows
- Flexible audio routes control, including bidirectional analog audio transmissions between the Encoder and the Decoder
- Supports bi-directional IR and RS-232 control signal pass-through
- Supports USB2.0 (KVM), CEC routing control
- Supports IR, RS-232, TCP/IP, Web GUI control Standard POE supported (802.3at PD device)

VIDEO/AUDIO

Input Connectors	1 x HDMI 2.0 1 x Unbalanced stereo audio 1 x 10GBase-T/1 x 10GBase-SR
Supported Input	HDMI in/Ethernet (10GBase-T, 10GBase-SR): [Video] 640x480 ^s , 800x600 ^s , 1024x768 ^s , 1280x1024 ^s , 1360x768 ^s , 1440x900 ^s , 1440x1050 ^s , 1600x1200 ^s , 720x480 ⁱ (480i59), 720x480 ⁱ (480p59), 720x576 ⁱ (576i50), 720x576 ⁱ (576p50), 1280x720 ^s (720p50), 1280x720 ^s (720p59), 1280x720 ^s (720p60), 1920x1080 ⁱ (1080i50), 1920x1080 ⁱ (1080i59), 1920x1080 ⁱ (1080i60), 1920x1080 ⁱ (1080p23), 1920x1080 ⁱ (1080p24), 1920x1080 ⁱ (1080p25), 1920x1080 ⁱ (1080p29), 1920x1080 ⁱ (1080p30), 1920x1080 ⁱ (1080p50), 1920x1080 ⁱ (1080p59), 1920x1080 ⁱ (1080p60), 3840x2160 ^s (2160p23), 3840x2160 ^s (2160p24), 3840x2160 ^s (2160p25), 3840x2160 ^s (2160p29), 3840x2160 ^s (2160p30), 3840x2160 ^s (2160p60), 4096x2160 ^s , 4096x2160 ^s 1 = at 23.98 Hz, 2 = at 24 Hz, 3 = at 25 Hz, 4 = at 29.97 Hz, 5 = at 30 Hz, 6 = at 50 Hz, 7 = at 59.94 Hz, 8 = 60 Hz, 9 = 75 Hz; [Audio] LPCM, 2.0/5.1/7.1 channel, 44.1/48/96/192 kHz Dolby True HD, up to 7.1,192kHz DTS-HD Master, up to 7.1,192kHz Dolby Digital AC-3 (DVD format) DTS version 1 (DVD format) Audio in: Unbalanced stereo audio
Output Connectors	1 x HDMI 2.0 1 x Unbalanced stereo audio 1 x 10GBase-T/1 x 10GBase-SR 1 x Dante, GbE

CONTROL

Ethernet	PC Configurator: for configuring, controlling and upgrading
RS232	PC Configurator: for testing and upgrading

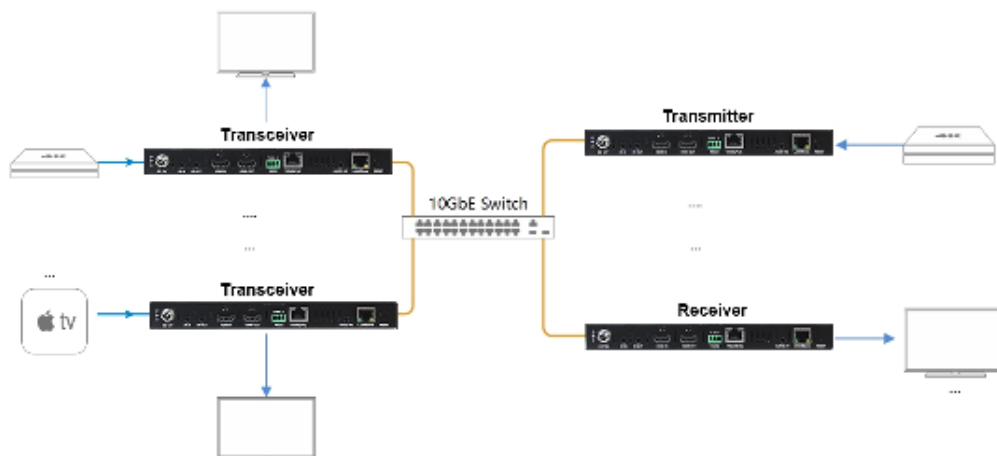
AUDIO

Support Output	HDMI out/Ethernet (10GBase-T, 10GBase-SR): [Video] 640x480 ^s , 800x600 ^s , 1024x768 ^s , 1280x1024 ^s , 1360x768 ^s , 1440x900 ^s , 1440x1050 ^s , 1600x1200 ^s , 720x480 ⁱ (480i59), 720x480 ⁱ (480p59), 720x576 ⁱ (576i50), 720x576 ⁱ (576p50), 1280x720 ^s (720p50), 1280x720 ^s (720p59), 1280x720 ^s (720p60), 1920x1080 ⁱ (1080i50), 1920x1080 ⁱ (1080i59), 1920x1080 ⁱ (1080i60), 1920x1080 ⁱ (1080p23), 1920x1080 ⁱ (1080p24), 1920x1080 ⁱ (1080p25), 1920x1080 ⁱ (1080p29), 1920x1080 ⁱ (1080p30), 1920x1080 ⁱ (1080p50), 1920x1080 ⁱ (1080p59), 1920x1080 ⁱ (1080p60), 3840x2160 ^s (2160p23), 3840x2160 ^s (2160p24), 3840x2160 ^s (2160p25), 3840x2160 ^s (2160p29), 3840x2160 ^s (2160p30), 3840x2160 ^s (2160p60), 4096x2160 ^s , 4096x2160 ^s 1 = at 23.98 Hz, 2 = at 24 Hz, 3 = at 25 Hz, 4 = at 29.97 Hz, 5 = at 30 Hz, 6 = at 50 Hz, 7 = at 59.94 Hz, 8 = 60 Hz, 9 = 75 Hz; [Audio] LPCM, 2.0/5.1/7.1 channel, 44.1/48/96/192 kHz Dolby True HD, up to 7.1,192kHz DTS-HD Master, up to 7.1,192kHz Dolby Digital AC-3 (DVD format) DTS version 1 (DVD format) Dante audio(GbE port): Two channels PCM
----------------	--

MECHANICAL

Operating Temperature	0 to + 40°C (32 to + 104 °F), 10% to 90%, non-condensing
Storage Temperature	-20 to +70°C (-4 to + 158 °F), 10% to 90%, non-condensing
Humidity	10% to 90%, non-condensing
Product Weight	To be measured
Power Supply	12V DC converter (with lock) with US pin
Transport Distance	300m
Product Dimension	140mm x 215mm x 25mm (L x W x H)
ESD Protection	Human-body Model: ±8kV(Air-gap discharge)/±4kV(Contact discharge)

Classic Application Example



Applications

Medical equipment, AV broadcasting: such as conference rooms, retails, and Digital signage with interaction: such as shopping malls, hotels