cesnet

Ultra-low-latency video & audio transmissions

MVTP-AUDIO

» Ultra-low 1ms latency video and audio over Internet, 100% quiet, easy setup

» Standalone device, no PC required

» True real-time system, FPGA processing

Video features

» Dual video (e.g., whole scene + detail)

» 2x full HD at 60 fps (1080p60) full duplex

» 2x 3G-SDI input, 2x 3G-SDI output

» Ultra-low-latency high-quality TICO compression

Audio features

» Uncompressed audio, analog I/O, S/PDIF or embedded SDI

» 8x symmetrical 1/4'' jack analog input

» 8x symmetrical 1/4'' jack analog output

» 24-bit 48, 96 and 192 KHz sampling and network transmission

» Cirrus Logic 114 dB dynamic range, 24-bit, 192 kHz DAC/ADC circuits

Latency

» Under 1 ms latency for both video and audio for transmitter + receiver together

Network

» 1G Ethernet RJ45

» Bandwidth
- 200-320 Mbps for 1080p30
- 400-640 Mbps for 1080p60

Management

» Display and buttons operation

» Embedded web server

» USB and ssh access for advanced management

Mechanical and electrical

» Fanless, 100% quiet operation

» Small lightweight easily portable box

» 12V power from external included adapter

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