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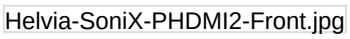
DANTE® 2CH HDMI™ INPUT ADAPTER

SONIX PHDMI2

The Dante® 2CH HDMI™ Input Adapter is a compact, ultra-lightweight audio converter built on the robust Dante® Ultimo 2x2 platform. Designed for seamless audio integration, it de-embeds two-channel digital HDMI™ audio and converts it into a high-fidelity Dante® digital audio stream, transmitting it flawlessly over standard IP networks.

Featuring advanced audio sampling rate conversion and pure, loss-free digital signal processing, this adapter ensures exceptional sonic performance across both fixed AV installations and demanding live/rental applications—including recording studios, concerts, corporate events, and festivals. For maximum operational flexibility, the device supports dual power redundancy via PoE (Class 0 802.3af) or a local USB-C port. Its plug-and-play architecture, combined with custom EDID management and API control capabilities, makes it an indispensable tool for professional AV technicians and system integrators seeking hassle-free HDMI audio routing into Dante® ecosystems.


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Helvia-SoniX-PHDMI2-Front.jpg

HDMI 2.0

Dante™ Digital Audio

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DANTE® 2CH HDMI™ INPUT ADAPTER

PRODUCT DETAILS

KEY FEATURES

High-Performance Audio Extraction: Seamlessly converts 2-channel HDMI™ audio into a high-quality Dante® digital audio stream.

Flexible Sampling Rate Support: Handles HDMI™ PCM 2CH audio input up to 192kHz/24-bit and outputs pristine Dante® digital audio at 44.1 / 48 / 88.2 / 96kHz @ 24-bit.

Ultra-Low & Configurable Latency: Adjustable Dante® device latency options (1ms, 2ms, or 5ms) via Dante® Controller for perfect system synchronization.

Dual Powering Options: Supports Power over Ethernet (Class 0 802.3af PoE) for single-cable deployments and local 5V/500mA USB-C power input.

AES67 Interoperability: Fully compatible with AES67 standards for broader AoIP network integration.

Compact & Rugged Design: Lightweight yet durable housing engineered for effortless mounting in fixed AV racks or live touring setups.

Advanced EDID & Serial Control: Integrates a USB-C service port providing API command control, custom EDID loading, and firmware updates.

Plug-and-Play Simplicity: Instant setup and operation with minimal configuration required.

SPECIFICATIONS

Input Port	1x HDMI™ IN [Type A, 19-pin female]
Output Port	1x DANTE [RJ45 connector, PoE]
Control / Power Port	1x POWER [USB-C port, 12-pin female]
Reset Button	1x System Reset Button
LED Indicator	1x HDMI™ LED [Green signal indicator]
Control Method	Dante® Controller, API Commands via USB-C
Video Network Bandwidth	100M
HDMI Compliance	HDMI™ 2.0b

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HDCP Compliance	HDCP 2.3
Video Bandwidth	18Gbps
Color Depth	8-bit, 10-bit, 12-bit
Color Space	RGB, YCbCr_4:4:4, YCbCr_4:2:2, YCbCr_4:2:0
HDR Support	HDR, HDR10, HDR10+, Dolby Vision, HLG
Input Video Resolutions	All resolutions as specified in HDMI™ 2.0b
HDMI Audio Formats	HDMI™ IN [Digital audio input, PCM 2CH 32K–192KHz 16/24bit]
Dante® Audio Formats	Dante® OUT [Digital audio output, PCM 2CH 44.1K–96KHz 16/24bit]
Frequency Response	20Hz to 20kHz (± 0dB)
Dynamic Range	> 130dB@0dBu, 1kHz A-weighted
Audio S/N Ratio	> 130dB@0dBu, 1kHz A-weighted
Audio THD+N	< 0.01% at +4dBu, 1kHz
Audio Latency	Configurable Dante® device latency (1, 2 or 5ms) / Audio Output Delay < 1ms
Transmission Distance	100m / 328ft (CAT6/6A/7)
ESD Protection	IEC 61000-4-2: ±8kV (Air-gap discharge), ±4kV (Contact discharge)
Housing	Plastic Enclosure
Color	Black
Dimensions (W x D x H)	115 mm x 40 mm x 28 mm (4.53 in x 1.57 in x 1.10 in)
Weight	0.09 kg (0.20 lbs)
Power Supply	USB input
Power Consumption	1.8W (Max)

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