

ARVUS[®]

Reaching Beyond Boundaries Since 1983

Introducing **H2-4D**, the world's first dedicated 16-channel **DOLBY ATMOS[®]** digital audio renderer



PRODUCT BACKGROUND

In 2009 we were contracted by Dolby to supply custom speakers to support their Atmos development. From our involvement at this early stage we have watched with tremendous interest the success of Atmos across cinema and its rapid adoption in home audio, gaming, mobile, streamed media, music and beyond.

In 2011 Sony Entertainment commissioned the first order of our HDMI-2A. This 8-channel HDMI to AES/EBU de-embedder has become an essential device for hundreds of the worlds leading gaming, music, TV and film post-production studios enabling consistent audio levels across multiple equipment and audio standards.

Now a decade later the audio industry is fast evolving beyond 8-channel audio. Audio professionals have been reaching out to us requesting a 16-channel solution to support their Atmos post-production workflow.

After extensive design, development, testing and direct consultation with experts across the globe we are excited to finally release the H2-4D. I would like to personally thank the many dozens of engineers, external consultants and the team at Dolby for assisting us to make this product an elegant solution to support the audio industry's transition to object-based audio production.

Matthew A. Simmons

Founder / CEO - September 2022

PRIMARY FUNCTIONS

CONVERT up to 16 Channels of HDMI audio simultaneously to:

DANTE® (AES67 included)

BALANCED ANALOG

HDMI® (Audio Only)

AES/EBU (AES3)

RENDER **DOLBY Atmos®**

DTS-X®

DECODE **DOLBY®** - Dolby Digital, Dolby Digital Plus, Dolby TrueHD, Dolby Surround (from Atmos)

DTS® – DTS, ES, HD Master Audio, HD High Resolution Audio, Express-HD LBR, Neural:X

PCM - 2ch, PCM Multi-channel, Downmix



TWO INPUTS

HDMI - Word Clock (BNC)

SIX OUTPUTS

Word Clock (BNC)

DANTE via RJ45 (AES67 Compatibility)

BALANCED ANALOG via 2 x DB25

HDMI x 2 – Full A/V Pass-through and Audio Only (video 720p black)

AES/EBU via 1 x DB25 (Tascam Configuration)



ADDITIONAL FEATURES

Decoding up to 16 channels at 44.1kHz/48kHz/88.2kHz/96kHz/176.4kHz/192kHz

16 & 24 bit compatible

Full ARC & eARC support

ARC & eARC Lip-sync delay

HDMI 2.0 pass-through output

Includes Power over Ethernet (PoE)

GUI for system set up (via Ethernet)

Ethernet access for firmware upgrades


Object based rendering from 5.1.2 to 9.1.6

Decoding status LED (Dolby/Green, DTS/Blue, PCM/Purple)

Both HDMI OUTS have EDID emulation for stable device / system communication



GUI SCREENSHOT


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SPEAKER LAYOUT	GLOBAL DELAY	SPEAKER DELAY
5.1.2 <input type="button" value="v"/>	ms / M ms <input type="button" value="v"/> 0 ms <input type="button" value="v"/>	ms / M ms <input type="button" value="v"/>
INPUT SOURCE HDMI <input type="button" value="v"/>		01 <input type="text" value="0"/>
		02 <input type="text" value="0"/>
		03 <input type="text" value="0"/>
		04 <input type="text" value="0"/>
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		12 <input type="text" value="0"/>
		13 <input type="text" value="0"/>
		14 <input type="text" value="0"/>
		15 <input type="text" value="0"/>
		16 <input type="text" value="0"/>

DANTE OUTPUT HDMI <input type="button" value="v"/>	NETWORK DHCP <input type="button" value="v"/> off IP Adress <input type="button" value="v"/> Gateway <input type="button" value="v"/> Subnet <input type="button" value="v"/> DNS <input type="button" value="v"/>
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FIRMWARE Version 1.1 <input type="button" value="Firmware Update"/>	CODEC IN USE <input type="button" value="DOLBY - Atmos 7.14"/>
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PHYSICAL SPECIFICATIONS

Weight – 3.5kg / 7.7 pounds

No moving parts or internal fans

483mm x 44mm x 245mm (1U - 19“)

LED and power switch on the front panel

Inputs and Outputs mounted on the back panel

External international power supply (100v/240v)

Built as a professional grade product for 24/7 operation



ORDERING

Please email: sales@arvus.com