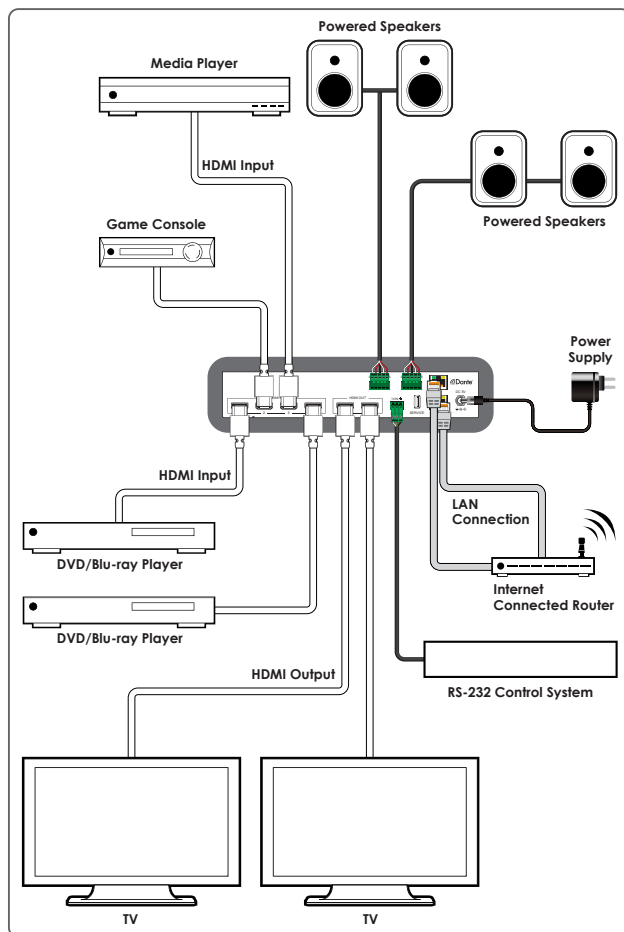# OR-DT42-4K22

UHD$^+$ 4x2 HDMI Matrix with Dante Audio

Dante (digital audio network through Ethernet) is a powerful technology that allows many audio channels to be sent and received through Ethernet. OR-DT42-4K22 integrates Dante technology and 4X2 matrix. It allows the user to route four 18Gbps HDMI input signals to any of two 18Gbps HDMI and Dante digital audio outputs. Dante digital audio output enables audio transport of up to two stereo audio signals over a network using standard Internet protocols. It also supports AES67 and Audinate Dante Controller. Ethernet is used for remote control while a front panel with buttons optimized for use in challenging environments, allows full local control of all features. The integration of Dante audio out facilitates system expansion when paired with many of Cypress's Dante-enabled audio processing products.

PANELS

Front View   Rear View

DIAGRAM

FEATURES

- Enabled HDMI de-embedded/embedded designed to bridge 2-channel PCM HDMI audio to/from a Dante audio network.
- Balance Audio out can be switch between HDMI De-embedded audio or Dante-In source
- Dante audio networking utilizes standard IP networks to transmit high-quality, uncompressed audio with near-zero latency
- Non-compress audio performance
- Audio output supports 48KHz Sampling Rate
- Supports Dante / AES67 inputs and outputs
- Sample-accurate time alignment between networked devices
- Real-time latency statistics, Clock status statistics and signal presence exposed to network

SPECIFICATIONS

Interfaces

Input Port	4 x HDMI (Type-A)
Output Port	2 x HDMI (Type-A) 2 x Stereo Analog Out (5-pin Terminal Block)
Control I/O	1 x RS-232 (3-pin Terminal Block) 1 x LAN (RJ-45)
Service Port	1 x USB 2.0 (Type-A)
Ethernet Port	1 x LAN (RJ-45)

Video

HDMI Compliance	HDMI 2.0 (DVI 1.0)	
HDCP Compliance	2.x	
Input Signal Types	4096x2160@60 8bit YUV 4:4:4	
Output Signal Types	4096x2160@60 8bit YUV 4:4:4	
	Resolutions	
Maximum Input	HDMI	4096×2160p@60
Maximum Output	HDMI	4096×2160p@60

Audio

Analog Out	DAC	Max Audio Level: 4.2Vrms Impedance: 5kOhm Type: Balanced S/N Ratio: > 70dB (1kHz with 0dBFS)

Power

Power Supply	5V/2.6A
Power Consumption	11.68W

Enclosure

Chassis Material	Metal (Steel)
Chassis Color	Black
Dimensions (W×H×D)	240mm× 43mm× 104mm [Case Only] 240mm× 48mm× 112mm [All Inclusive]
Weight	807g

ORDERING INFORMATION

Model No.	Product Description
OR-DT42-4K22	UHD$^+$ 4x2 HDMI Matrix with Dante Audio
AIP-D4101	4 Balance In, Analog Audio to Dante
AIP-D1401	4 Balance Out, Dante to Analog Audio