



OR-DT42-4K22

4 x 2 Full 4K HDMI Matrix with Dante Decoder



The OR-DT42-4K22 integrates Dante® technology into a 4x2 HDMI Matrix. It is a high performance HDMI switch which provides 4K UHD+ (18Gbps) HDMI matrix routing and integrated Dante®/AES67 network audio support, including insertion and extraction. It is an ideal solution for switching between multiple sources in a control room, conference room or classroom while simultaneously providing and receiving high quality digital stereo audio via the connected network. Video resolutions up to 4K@60Hz 4:4:4, 8-bit with 8 channel LPCM or HD bitstream audio is supported for local routing while 2 channel LPCM audio is supported via Dante®.

Basic control of video and audio routing is provided by front panel controls, with additional control via Web GUI, RS-232, and Telnet. Dante® audio management requires the use of 3rd party software, such as Dante® Controller from Audinate.

PANELS

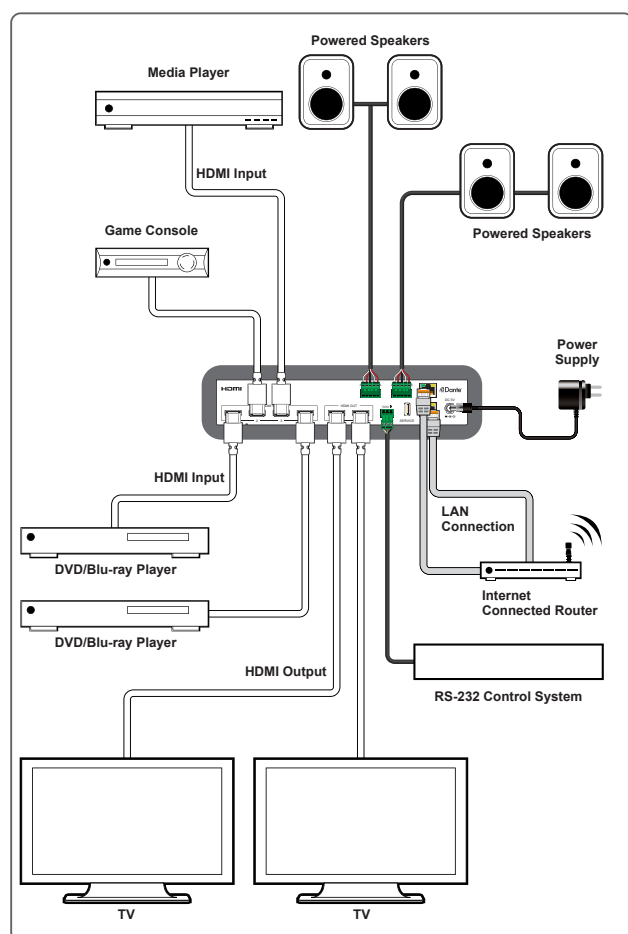


Front View



Rear View

DIAGRAM



FEATURES

- HDMI 2.0 and DVI 1.0 compliant (with the use of an HDMI-DVI adapter)
- HDCP 1.x and 2.2 compliant
- 4 HDMI inputs and 2 HDMI outputs
- 4x2 matrix routing with per-output analogue audio extraction
- Supports up to 4K UHD+ (18Gbps, 4K@50/60Hz 4:4:4, 8-bit) video input and output
- Support pass-through of many audio formats including 8 channel LPCM, Bitstream, and HD Bitstream
- Each output's audio is selectable between the routed HDMI source or an independent Dante network audio source
- Compatible with existing Dante and AES67 audio networks for transmission and reception of uncompressed audio with near-zero latency
- Simple and easy network audio routing via 3rd party control software (available for both Windows and macOS systems)
- Per-input EDID management with internal or external EDID options
- Controllable via front panel buttons, Web GUI, Telnet, and RS-232

SPECIFICATIONS

Interfaces

Input Port	4x HDMI [4x HDMI Uncompressed AV and Data]
Output Port	2x HDMI [2x HDMI Uncompressed AV and Data] 2x Phoenix (5 pin) [2x Analogue Stereo (Balanced or Unbalanced)]
Control I/O	1x Phoenix (3 pin) [1x RS-232] 1x RJ45 [1x Dante I/O port Propriety Data]

Service Port	1x USB Type A [1x Service Port Propriety Data]
Ethernet Port	1x RJ45 [1x IP Control]

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	4096x2160p@60
Maximum Output	HDMI	4096x2160p@60

Audio

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

Power Supply	5V/2.6A
Power Consumption	11.68W

Enclosure

Chassis Material	Metal (Steel)
Chassis Colour	Black
Dimensions (WxHxD)	240mmx 43mmx 104mm [Case Only] 240mmx 48mmx 112mm [All Inclusive]
Weight	800g

ORDERING INFORMATION

Model No.	Product Description
OR-DT42-4K22	4 x 2 Full 4K HDMI Matrix with Dante Decoder
AU-DT14-TX	Dante Transmitter with 4 Channels of Balanced Mono Inputs
AU-DT04-RX	Dante Receiver with 4 Channels of Balanced Mono Outputs



IP-7000C-TX

1G 4K AV Over IP USB-C & HDMI transmitter with USB & PoE

DIAGRAM

