

True 4K HDMI Repeater with Audio Embedder and De-Embedder

VC882

The VC882 is a True 4K HDMI Repeater with Audio Embedder and De-Embedder capable of embedding or de-embedding the HDMI audio signal, while supporting the HDMI signal transmission distance up to 5 meters with True 4K resolution. Apart from embedding a separate audio to an outgoing HDMI signal, the VC882 also allows audio extraction from the HDMI signal, and outputs the extracted signal through an alternative audio system.

In terms of the audio aspect, the VC882 works with versatile pass-through of HDMI audio formats LPCM2.0, Dolby Digital 2.0, Dolby Digital 5.1 and DTS Digital 5.1. The VC882 also supports ARC function which eliminates the need of bulky cable setups when connecting an AV receiver, or a home theater system to a TV. When it comes to the video aspect, the VC882 supports True 4K (4096 x 2160 @ 60Hz 4:4:4) in HDR10, HDR10+, Dolby Vision and Hybrid Log-Gamma (HLG) formats to provide staggeringly crisp images. It is HDCP 2.2-compliant for content protection. The compact enclosure design, True 4K signal transmission, and embedding / de-embedding capability have made the VC882 ideal for training and conference rooms, video production, and home theater installations.



Front View

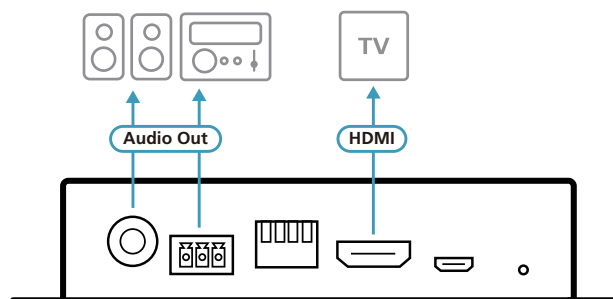


Rear View

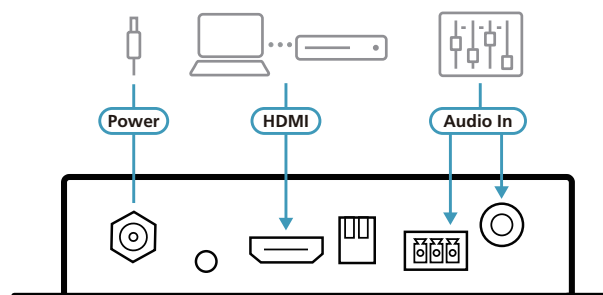


Features

- Embeds audio to the HDMI output or de-embeds audio from the HDMI signal and outputs the extracted signal through an alternative audio system
- Easy embedding / de-embedding mode selection via 2 / 4-pin DIP switches
- HDMI (3D, Deep Color, True 4K); HDCP 2.2 compliant
- True 4K video quality — supports resolutions up to 4096 x 2160 @ 60Hz (4:4:4)
- Supports True 4K / HDR formats — HDR10, HDR10+, Dolby Vision and Hybrid Log-Gamma (HLG)
- Supports HDMI audio formats — LPCM 2.0, Dolby Digital 2.0, Dolby Digital 5.1 and DTS Digital 5.1
- Compact, portable metal enclosure designed for HDMI Lock-pro
- Firmware upgradable



Front View



Rear View

Specifications

VC882	
LEDs	
Power	LED (blue) x1
Reset Button	Push button x1 (to activate mode configuration)
Switches	
Mode Selection	MODE 1 (2-PIN) PIN#1 (Enable / Disable Audio Embedder Function) PIN#2 (Audio embed from Coaxial / Stereo) MODE 2 (4-PIN) PIN#1 (Enable / Disable Audio Extractor Function) PIN#2 (Enable / Disable ARC function) PIN#3&4 (EDID mode selection: Bypass, 5.1 CH, 2 CH, Learn)
Video Input	
Interfaces	1 x HDMI Type A Female (Black)
Impedance	100 Ω
Max. Distance	5 meters
Video Output	
Interfaces	1 x HDMI Type A Female (Black)
Impedance	100 Ω
Max. Distance	5 meters
Video	
Max. Data Rate	18 Gbps
Max. Pixel Clock	600 MHz
Compliance	HDMI (3D, Deep Color, True 4K); HDCP 2.2
Max. Resolution	4096 X 2160 @ 60 Hz (4:4:4) 8 bit
Audio	
Output	Coaxial x1 Format: LPCM2.0, Dolby Digital 2.0, Dolby Digital 5.1, DTS Digital 5.1, 3-pin terminal block x 1 Format: Analog, stereo, unbalanced, LPCM2.0
Input	Coaxial x1 Format: LPCM2.0, Dolby Digital 2.0, Dolby Digital 5.1, DTS Digital 5.1, 3-pin terminal block x 1 Format: Analog, stereo, unbalanced, LPCM2.0
Connectors	
Power	1 x DC Jack, 5V 1A, Lockable
Firmware Upgrade	1 x Micro USB
Power Consumption	DC5V:2.905W:9.92BTU
Environmental	
Operating Temperature	0 – 40 °C
Storage Temperature	-20 – 60 °C
Humidity	0 – 80% RH, Non-Condensing
Physical Properties	
Housing	Metal
Weight	0.24 kg
Dimensions (L x W x H)	12.22 x 8.22 x 2.50 cm

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Product information is subject to change without prior notice.

Released: 06/2021 V1.0

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