

VC881

4K HDMI/DVI to HDMI Converter with Audio De-embedder





4K HDMI/DVI Converter with Audio De-Embedder



3D, Deep Color



Superior Video Quality



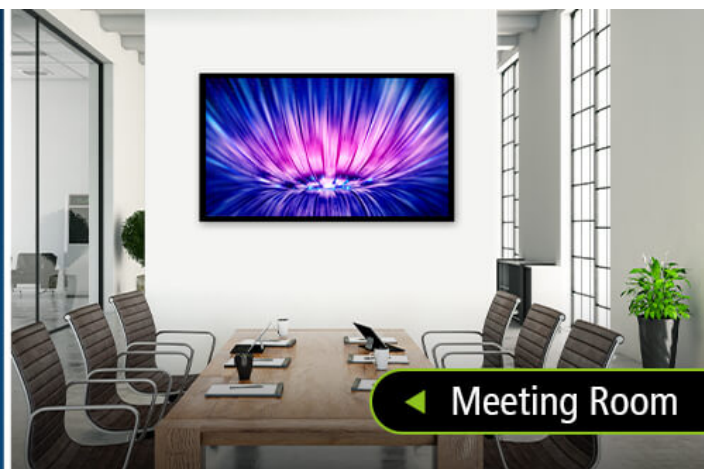
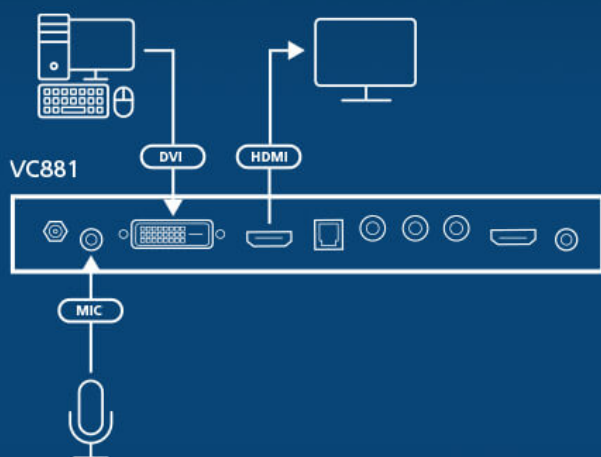
Audio Embedding / De-embedding



Audio Return Channel

Fully immersive audio

The powerful VC881 enables you to seamlessly embed a separate audio source into video content, creating a fully immersive multimedia experience that enhances the effectiveness of presentations for training and educational applications.



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Audio de-embedding for better sound

VC881's audio de-embedding functionality can greatly benefit restaurants and home theaters by extracting high-quality audio from the HDMI input source and outputs it to an amplifier or speaker, creating an immersive and enjoyable audio experience.

The diagram on the left illustrates the VC881's audio de-embedding capabilities. It shows a central unit with multiple ports: HDMI, Optical, Coaxial, and Audio. An HDMI source (like a Blu-ray player) connects to the unit's HDMI input. The unit then extracts the audio and outputs it through Optical, Coaxial, or Audio (to a speaker system) ports. A monitor is connected to the unit's HDMI output.

The top right photo shows a bar/restaurant setting with a TV mounted on the wall. A green arrow points to the text "Bar / Restaurant".

The bottom right photo shows a home theater setup with a large screen displaying a blue planet. A green arrow points to the text "Home Theater".

At the bottom, a close-up of the VC881 device is shown. It features a "HDMI OUT AUDIO" section with a "ON/OFF" switch. The "AUDIO OUT CHANNEL" is set to "CH.1". The "AUDIO FUNCTION" section includes a rotary switch with "HDMI to HDMI" and "DVI to HDMI" options, and two green indicator lights labeled "ARC" and "POWER".



Hassle-free setup

The audio return channel (ARC) function eliminates the need for extra audio cables and simplifies audio setup, allowing for direct output of TV audio to speakers or amplifiers without any hassle.

Talk to Our Experts

If you prefer to have ATEN contact you, please complete the form and a representative will be in touch with you shortly

First Name *

Last Name *

- Country *

Company *

Email *

Phone Number

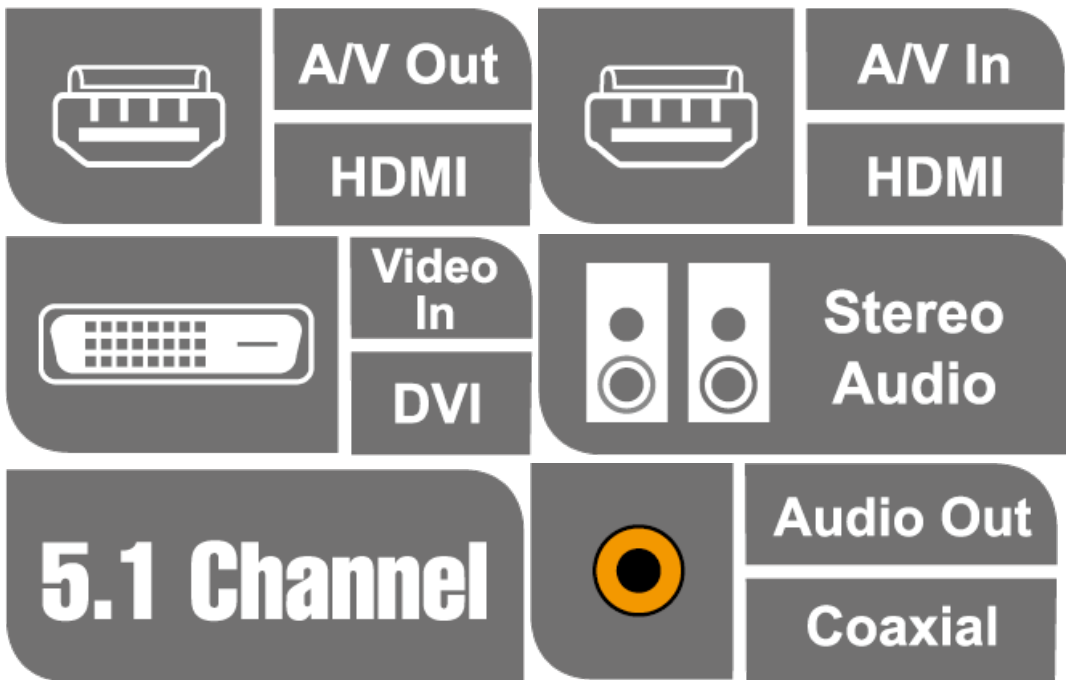
- Customer Type *

Job Title *



HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

SPDIF



Features

ATEN VC881 is a high-quality HDMI/DVI to HDMI converter with audio de-embedding function. Input a DVI signal and it converts the signal to HDMI signal or input an HDMI signal and it extracts the HDMI audio signal. Advanced video support provides a better-defined connection with video resolutions up to 4K and complies with HDCP 1.4.

The VC881 offers the flexibility to support signal interface conversion (DVI to HDMI) and HDMI audio de-embedding. For HDMI audio de-embedding function, the VC881 splits the audio from HDMI video and converts it to S/PDIF, Coaxial, or a RCA Stereo Audio signal to support an audio system that is separate from the display. This allows HDMI video to continue to the display while supplying audio to an audio system near the HDMI source. In addition, the VC881 supports ARC to simplify the setting by eliminating the need for any separate S/PDIF audio connection.

The compact enclosure design and audio de-embedding capability make the VC881 ideal for bars, public transportation stations, and home theater settings.

- Easy mode selection via a pushbutton
 - HDMI to HDMI
 - DVI to HDMI
 - Audio Return Channel (ARC)
- HDMI 1.4 (3D, Deep Color, 4K); HDCP 1.4 compliant
- Superior video quality:
 - HDMI: up to 4K (3840 x 2160 @30Hz)
 - DVI: up to 1920 x 1200
- HDMI audio stream can be extracted and converts it to S/PDIF, Coaxial, or a RCA Stereo Audio signal
- LED indication of power status
- Firmware upgradable
- All metal casing

Specifications

Switches	
Mode Selection	Side Switch x 1 (HDMI Audio Out - ON/OFF) Side Switch x 1 (Audio Out Channel - AUTO/CH 5.1/CH 2) Push Button x 1 (Audio Function Selection) 1. HDMI to HDMI 2. DVI to HDMI 3. ARC (Audio Return Channel)
Video Input	

Interfaces	1 x HDMI Type A Female (Black) 1 x DVI-D Female (White)
Impedance	100 Ω
Max. Distance	HDMI: 3M DVI: 1.8M
Video Output	
Interfaces	1 x HDMI Type A Female (Black) with ARC
Impedance	100 Ω
Max. Distance	3M
Video	
Max. Data Rate	10.2 Gps (3.4 Gbps Per Lane)
Max. Pixel Clock	340 MHz
Compliance	HDMI 1.4 (3D, Deep Color) HDCP 1.4 Compatible
Max. Resolution	HDMI 3840 X 2160@30HZ DVI 1920 x 1200
Audio	
Output	Optical Audio: 1 x Toslink (Black) Coaxial Audio: 1 x RCA female (Orange) Stereo Audio: 2 x RCA female (White / Red)
Input	Stereo Audio: 1 x 3.5mm jack (Green)
Connectors	
Power	1 x DC Jack, 5V, Lockable
Firmware Upgrade	1 x 3.5mm jack (FW upgrade)
Power Consumption	DC5V:1.767W:8BTU/h Note: <ul style="list-style-type: none"> ● The measurement in Watts indicates the typical power consumption of the device with no external loading. ● The measurement in BTU/h indicates the power consumption of the device when it is fully loaded.
Environmental	
Operating Temperature	0 - 40 $^{\circ}\text{C}$
Storage Temperature	-20 - 60 $^{\circ}\text{C}$
Humidity	0 - 80% RH, Non-Condensing
Physical Properties	
Housing	Metal
Weight	0.47 kg (1.04 lb)

Dimensions (L x W x H)	20.20 x 8.49 x 2.50 cm (7.95 x 3.34 x 0.98 in.)
Carton Lot	20 pcs
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.

Diagram



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