

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



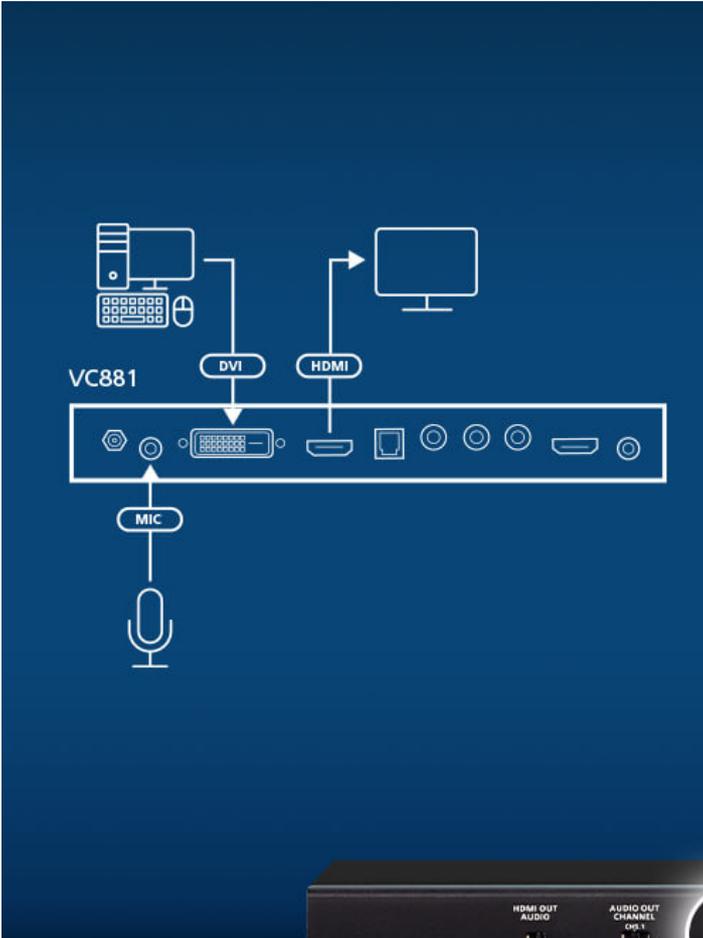
Audio Embedding / De-embedding



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 image is a composite advertisement for the ATEN VC881. On the left, a white line-art diagram on a dark blue background shows the VC881 device with its various ports. An HDMI source (represented by a monitor) is connected to the left HDMI input. The device has an Optical input, a Coaxial input, and another HDMI input. An arrow labeled 'Audio' points from the bottom of the device to a pair of speakers. On the right, there are two photographs. The top one shows a bar/restaurant interior with a TV on the wall, labeled 'Bar / Restaurant'. The bottom one shows a home theater room with a large screen displaying a blue planet, labeled 'Home Theater'. At the bottom center, a photograph of the physical black VC881 device is shown, with a white circle highlighting its control panel. The panel includes 'HDMI OUT AUDIO' (ON/OFF), 'AUDIO OUT CHANNEL' (CHP.1, CH2, CH3, CH4, CH5, CH6, CH7, CH8, CH9, CH10, CH11, CH12, CH13, CH14, CH15, CH16, CH17, CH18, CH19, CH20, CH21, CH22, CH23, CH24, CH25, CH26, CH27, CH28, CH29, CH30, CH31, CH32, CH33, CH34, CH35, CH36, CH37, CH38, CH39, CH40, CH41, CH42, CH43, CH44, CH45, CH46, CH47, CH48, CH49, CH50, CH51, CH52, CH53, CH54, CH55, CH56, CH57, CH58, CH59, CH60, CH61, CH62, CH63, CH64, CH65, CH66, CH67, CH68, CH69, CH70, CH71, CH72, CH73, CH74, CH75, CH76, CH77, CH78, CH79, CH80, CH81, CH82, CH83, CH84, CH85, CH86, CH87, CH88, CH89, CH90, CH91, CH92, CH93, CH94, CH95, CH96, CH97, CH98, CH99, CH100), 'AUDIO FUNCTION' (HDMI to HDMI, DVI to HDMI), and two green indicator lights for '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 *

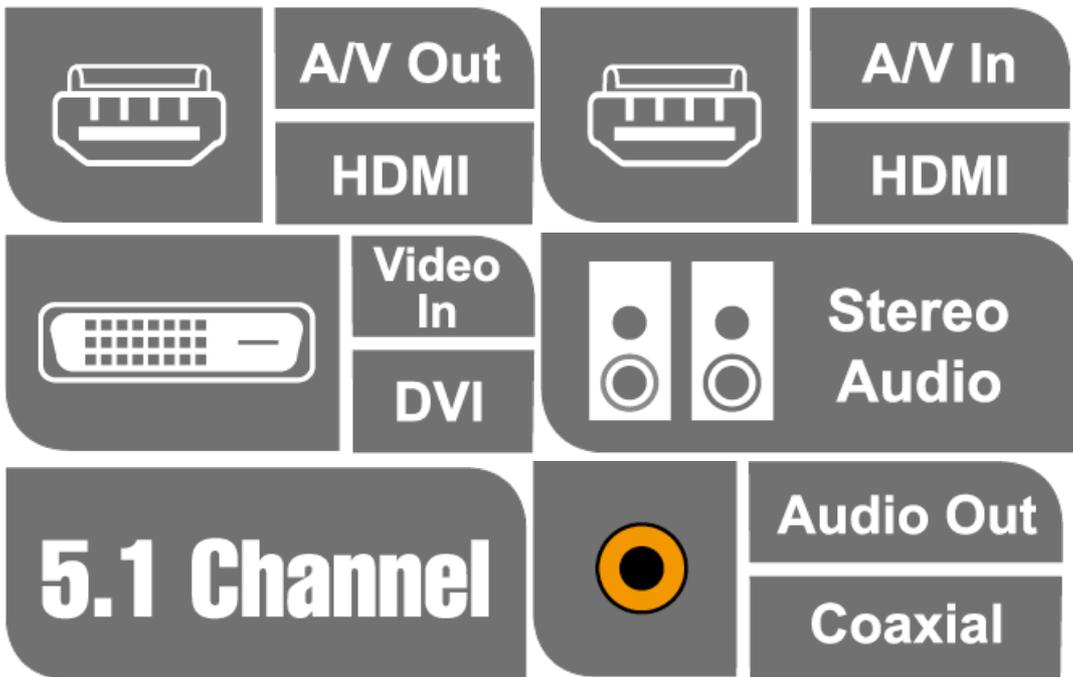
Email *

Phone Number *

- Customer Type *

Job Title *





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 $^{\circ}$ C |
| Storage Temperature | -20 - 60 $^{\circ}$ 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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