

VC880

HDMI Repeater Plus Audio De-embedder



The VC880 is an HDMI Repeater with an added audio de-embedder that extracts and converts the audio signal from the HDMI input. This means that as well as the repeated HDMI audio and video signal output, users can also choose between analog stereo audio via RCA connectors or digital audio via optical or coaxial connectors as an additional high quality audio output. With support for 3D TV formats, the VC880 is ideal for users who want to enjoy high definition video with their choice of high definition audio output on TVs, projectors, A/V receivers or speakers.

| | | | |
|--------------------|----------------------|--|---------------------|
| | A/V Out | | A/V In |
| | HDMI | | HDMI |
| | HDCP | | Stereo Audio |
| 5.1 Channel | | | Audio Out |
| | | | Coaxial |
| | Digital Audio | | |
| | Toslink | | |
| | | | |
| | | HDMI™ HIGH-DEFINITION MULTIMEDIA INTERFACE | |

Features

- Repeats HDMI input signal up to 15 meters
- Extracts HDMI audio signal and outputs as additional audio source
- Supports optical / coaxial digital audio and analog stereo audio*
- HDCP 1.1 compatible
- Superior Video Quality – up to 1920x1080 (1080p)
- Firmware upgradable
- CH2/CH5.1/Auto mode audio channel selection
- HDMI (3D)
- Supports Dolby True HD and DTS HD Master Audio
- Supports Audio on/off switch for HDMI output
- Expandable to three levels – provides three levels of audio output for one HDMI at distance up to 45 m
- Integrates with Apple TV for the perfect home entertainment system

*Supported Audio Input Channels

| | Source audio input channel | | | | |
|----------------|----------------------------|----------------------|---|----------------------|---|
| Audio Output | Stereo (LPCM 2) | DTS 5.1 Dolby 5.1 | LPCM 5.1 | DTS 7.1 Dolby 7.1 | LPCM 7.1 |
| TosLink | Stereo | DTS 5.1 Dolby 5.1 | 2 channel (Front Right & FrontLeft) | Non support | 2 channel (Front Right & FrontLeft) |
| Coaxial | Stereo | DTS 5.1 Dolby 5.1 | 2 channel (Front Right & FrontLeft) | Non support | 2 channel (Front Right & FrontLeft) |
| Stereo | Stereo | Non support | 2 channel (Front Right & FrontLeft) | Non support | 2 channel (Front Right & FrontLeft) |

Specification

| | |
|------------------|--|
| Video Input | |
| Interfaces | 1 x HDMI Type A Female (Black) |
| Impedance | 100 Ω |
| Max. Distance | 3m at 1920*1080@60 (4:4:4) |
| Video Output | |
| Interfaces | 1 x HDMI Type A Female (Black) |
| Impedance | 100 Ω |
| Max. Distance | 15m at 1920*1080@60 (4:4:4) |
| Video | |
| Max. Data Rate | 6.75 Gps (2.25 Gbps Per Lane) |
| Max. Pixel Clock | 225 MHz |
| Compliance | HDMI (3D, Deep Color) HDCP Compatible |
| Max. Resolution | Up to 1920 x 1080 |

| | |
|------------------------|--|
| Audio | |
| Output | 1 x HDMI Type A Female (Black); 1 x Toslink (Black); 1 x RCA (Orange); 2 x RCA (Red/White); |
| Connectors | |
| Power | 1 x DC Jack |
| Power Consumption | DC5.3V:2.25W:11BTU/h Note: ● 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 - 50 °C |
| Storage Temperature | -20 - 60 °C |
| Humidity | 0 - 80% RH, Non-Condensing |
| Physical Properties | |
| Housing | Metal |
| Weight | 0.46 kg (1.01 lb) |
| Dimensions (L x W x H) | 20.00 x 8.20 x 2.50 cm (7.87 x 3.23 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

