

## VC480

3G-SDI to HDMI/Audio Converter



The VC480 3G/HD/SD SDI to HDMI Converter provides a professional way to exchange high definition signals in real time. The SDI and HDMI signal conversion is 100% digital and guarantees no loss of quality for both the audio and video transmission. The VC480 is the most dependable way to convert signals with confidence when monitoring in any post or broadcast application.



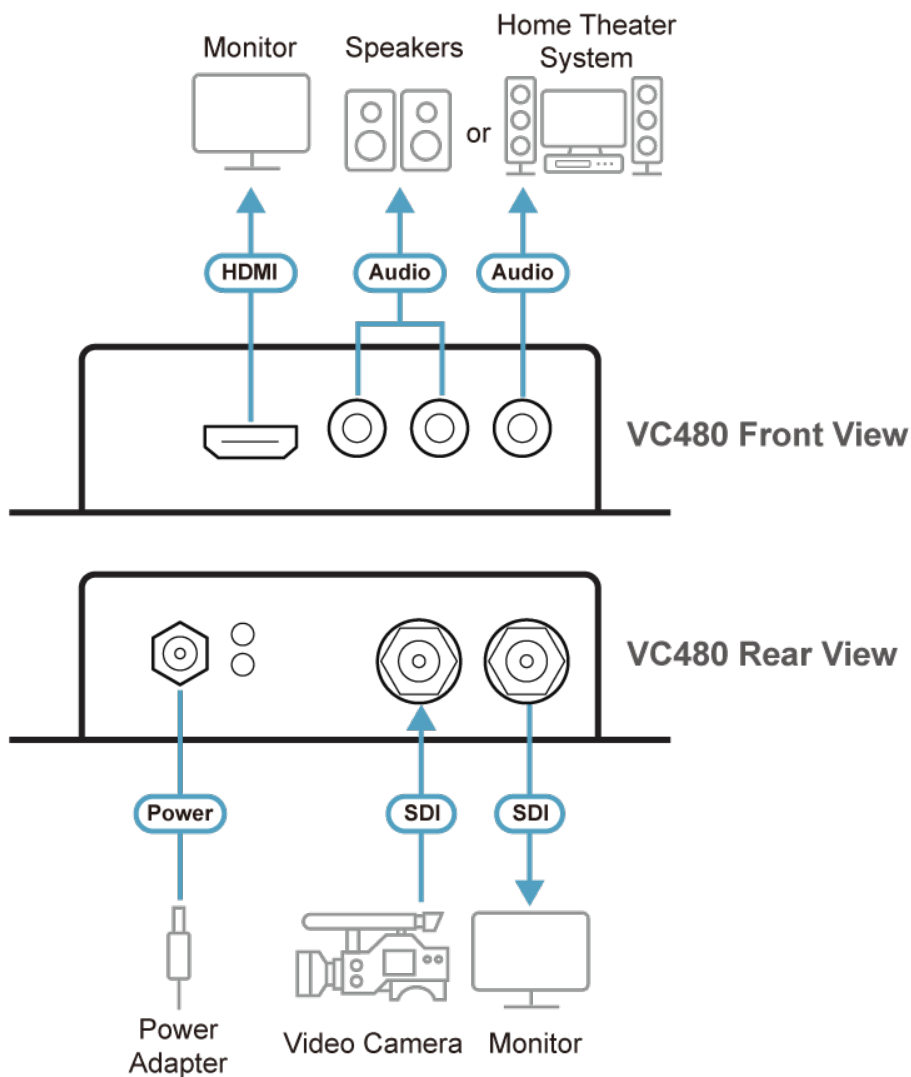
### Features

- Converts an 3G/HD/SD-SDI input signal to HDMI formats in real time while avoiding transformation loss for both audio and video signals
- Supports additional analog stereo audio and coaxial digital audio
- HDMI (Deep Color)
- LED indication of power and signal status
- Supports an SDI distance of up to 90M (3G-SDI), 150M (HDSDI) or 300M (SD-SDI) of RG6
- Supported SDI formats:
  - SD-SDI (SMPTE 259M, up to 270Mbps)
  - HD-SDI (SMPTE 292M, 296M, up to 1.485Gbps)
  - 3G-SDI (SMPTE 424M, 425M level A,B, up to 2.97Gbps)
- Video support:
  - 525i@59.96, 625i@50
  - 720p@23.98/24/25/29.94/30/50/59.94/60
  - 1080i@50/59.94/60
  - 1080p@23.97/24/25/29.97/30/50/59.94/60
- Buffered loop-through output provides extended monitoring
- Supports PCM 8 audio channels @48kHz rate
- Features automatic detection of 3G/HD/SD-SDI signals
- Reclocking SDI signals for cascading and thus longer transmission
- Locking power connector for secure communications

## Specifications

|                        |                                                                                                                                                                                                                                                  |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video Input            |                                                                                                                                                                                                                                                  |
| Interfaces             | 1 x BNC (Gold)                                                                                                                                                                                                                                   |
| Impedance              | 75 $\Omega$                                                                                                                                                                                                                                      |
| Video Output           |                                                                                                                                                                                                                                                  |
| Interfaces             | 1 x HDMI Type A Female (Black);<br>1 x BNC (Gold)                                                                                                                                                                                                |
| Impedance              | 100 $\Omega$                                                                                                                                                                                                                                     |
| Max. Distance          | 15m at 1920*1080@60 (4:4:4) - HDMI                                                                                                                                                                                                               |
| Video                  |                                                                                                                                                                                                                                                  |
| Max. Data Rate         | 2.97 Gbps                                                                                                                                                                                                                                        |
| Max. Pixel Clock       | 148.5 MHz                                                                                                                                                                                                                                        |
| Supported Resolutions  | NTSC@59.96Hz, PAL@50 Hz;<br>720p@50/59.94/60 Hz;<br>1080i@50/59.94/60 Hz;<br>1080p@23.97/24/25/29.97/30/50/59.94/60 Hz                                                                                                                           |
| Max. Distance          | 90m (3G-SDI); 150m (HD-SDI); 300m (SD-SDI)                                                                                                                                                                                                       |
| SDI Formats            | SD-SDI (SMPTE 259M, up to 270 Mbps)<br>HD-SDI (SMPTE 292M, 296M, up to 1.485 Gbps)<br>3G-SDI (SMPTE 424M, 425M level A, up to 2.97 Gbps)                                                                                                         |
| Audio                  |                                                                                                                                                                                                                                                  |
| Output                 | Analog: 2 x RCA (Red/White)<br>Digital: 1 x RCA (Yellow)                                                                                                                                                                                         |
| Format                 | Input: PCM 2/5.1/7.1 Channel @48kHz sampling rate<br>Output: PCM 2 Channel (Analog/Digital)                                                                                                                                                      |
| Connectors             |                                                                                                                                                                                                                                                  |
| Power                  | 1 x DC Jack                                                                                                                                                                                                                                      |
| Power Consumption      | DC5V:3.635WBTU/h<br><br>Note:<br>● The measurement in Watts indicates the typical power consumption of the device with no external loading.<br>● The measurement in BTU/h indicates the power consumption of the device when it is fully loaded. |
| Environmental          |                                                                                                                                                                                                                                                  |
| Operating Temperature  | 0 - 40 °C                                                                                                                                                                                                                                        |
| Storage Temperature    | -20 - 60 °C                                                                                                                                                                                                                                      |
| Humidity               | 20 - 90% RH, Non-Condensing                                                                                                                                                                                                                      |
| Physical Properties    |                                                                                                                                                                                                                                                  |
| Housing                | Metal                                                                                                                                                                                                                                            |
| Weight                 | 0.29 kg ( 0.64 lb )                                                                                                                                                                                                                              |
| Dimensions (L x W x H) | 12.30 x 10.87 x 3.05 cm<br>(4.84 x 4.28 x 1.2 in.)                                                                                                                                                                                               |
| Carton Lot             | 5 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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