Simply Better Connections

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.

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

Features

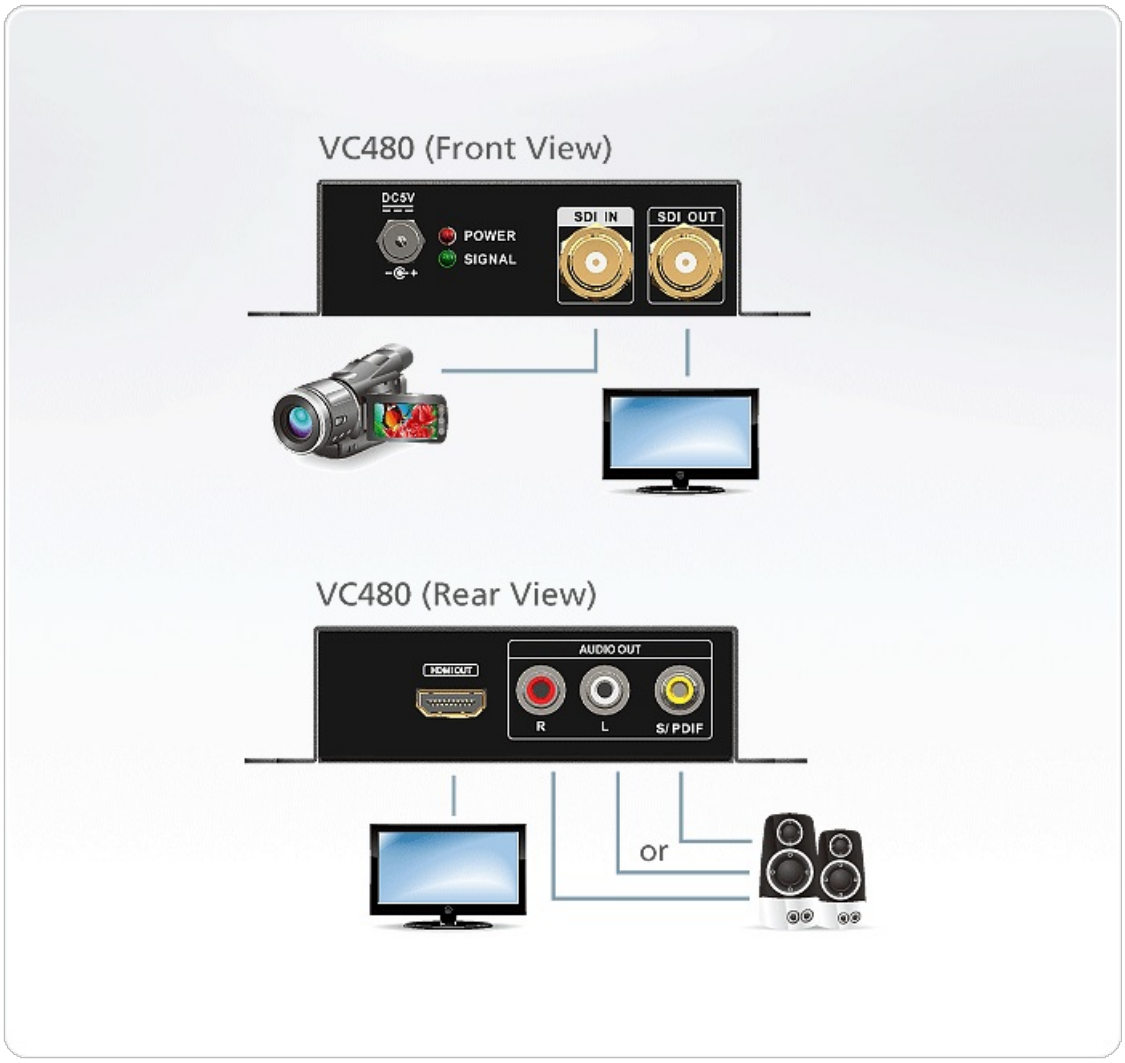
- Converts an 3G/HD/SD-SDI input signal to HDMI formats in real time while avoiding transformation loss for both audio and video signals
- Supports additional analog stereo audio and coaxial digital audio
- HDMI (Deep Color)
- LED indication of power and signal status
- Supports an SDI distance of up 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 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 Ω

Video Output	
Interfaces	1 x HDMI Type A Female (Black); 1 x BNC (Gold)
Impedance	100 Ω
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; 720p@50/59.94/60 Hz; 1080i@50/59.94/60 Hz; 1080p@23.97/24/25/29.97/30/50/59.94/60 Hz
Max. Distance	90m (3G-SDI); 150m (HD-SDI); 300m (SD-SDI)
Audio	
Output	Analog: 2 x RCA (Red/White) Digital: 1 x RCA (Yellow)
SDI Formats	SD-SDI (SMPTE 259M, up to 270 Mbps) HD-SDI (SMPTE 292M, 296M, up to 1.485 Gbps) 3G-SDI (SMPTE 424M, 425M level A, up to 2.97 Gbps)
Connectors	
Power	1 x DC Jack
Power Consumption	DC5V:3.635WBTU
Environmental	
Operating Temperature	0 - 40 ºC
Storage Temperature	-20 - 60 ºC
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 (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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