

VGA + AUDIO  
TO  
HDMI

# CVH-01

## CONVERTER FAMILY



## VGA to HDMI Converter

Converts Analog VGA Video and Stereo Audio to HDMI

### FEATURES

- Connects old systems to newer HDMI displays
- Converts analog video signals to digital HDMI signals
- Can be used as VGA to DVI converter
- Highly precise 10-bit A/D conversion of each color channel
- Ensures to send high-definition signal without signal loss
- Supports Plug-and-play function, no software installation required
- Supports signal high-definition display for multiple sources, such as DVD players
- Satellite receivers, digital projectors, A/V receivers, and set up boxes
- Cost-effective solution (no need to buy HDTV sources)

### APPLICATIONS

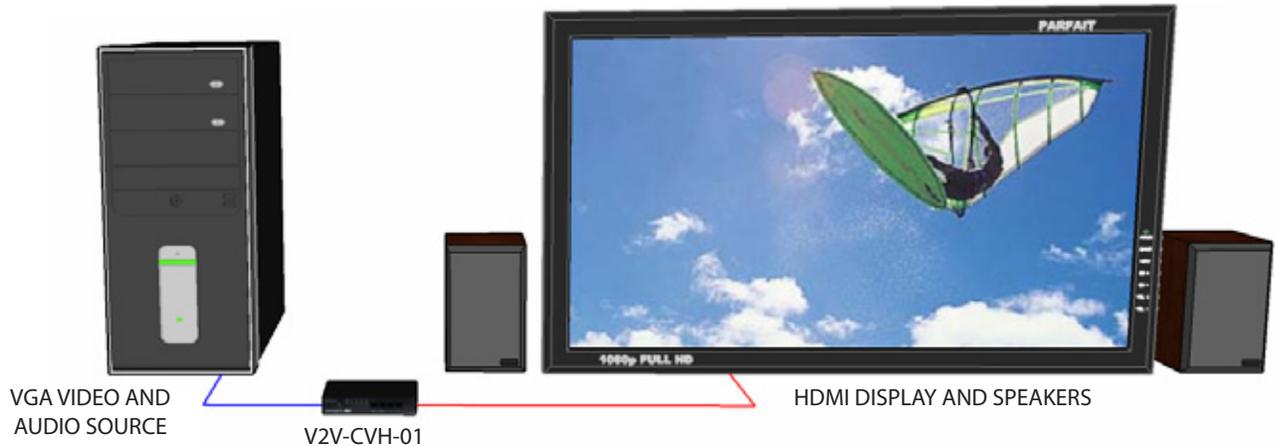
- Security
- PC Networking
- Conference Center Systems
- Point of Sale
- Camera Surveillance
- Video Phone
- Control Room Systems
- Recording Studio

**Smart-AVI**  
SMART AUDIO VIDEO INNOVATION

[www.smartavi.com](http://www.smartavi.com)

# SPECIFICATIONS

## APPLICATION DIAGRAM



### VGA VIDEO INPUT

Format	RGBHV, RGsB, YUV, Y/C, CVBS
Resolution	Up to 1920 x 1200 VGA, SVGA, XGA, SXGA, UXGA, WUXGA
Output Interface	(1) HD-15 Female
Maximum Distance	30 ft.

### AUDIO INPUT

Frequency Response	20 Hz to 20 KHz
Impedance	600 ohm
Nominal Level	0-1.0 V
Common Mode	Rejection at 60dB
Input Interface	3.5mm Stereo Female

### HDMI VIDEO OUTPUT

Format	HDMI 1.3b [Deep Color, xvYcc color space supported]
DVI Compliance	Single-link DVI-D 1.1
HDCP Compliance	1.0/1.1
Video Bandwidth	Single-link 340MHz [10.2Gbps]
Resolution	480i,480p,720i,720p,1080i,1080p
Output Interface	(1) HDMI[7.1ch audio & video]
Connector	Type A[19-pin female]
Maximum Distance	25 ft.

### OTHER

Power	External 100-240 VAC/5VDC2A @10W
Dimensions	5 in W x 3 in D x 1 in H
Weight	0.71 lbs
Operating Temp.	0-55 °C (32-131°F)
Storage Temp.	-20-85 °C (-4-185 °F)
Humidity	Up to 95%

### ORDERING INFORMATION

Part No.	Description
CVH-01S	VGA and Audio to HDMI Converter: Includes CVH-01, PS5VDC2A

Many leading companies have recognized and embraced the innovation of SmartAVI's technologies and have successfully incorporated them into their organizations. Clients of SmartAVI include:



SmartAVI, Inc. / Twitter: smartavi - 11651 Vanowen St. North Hollywood, CA 91605  
Tel: (818) 503-6200 Fax: (818) 503-6208 - <http://www.SmartAVI.com>

**Smart-*AVI***  
SMART AUDIO VIDEO INNOVATION

[www.smartavi.com](http://www.smartavi.com)