Simply Better Connections

VC1080

Universal A/V to HDMI Switch with Scaler



Multimedia devices flooding today´s market utilize a wide range of formats and resolutions, such that video display compatibility becomes an issue. Most standard display devices can only accommodate one interface at a time. The VC1080 Universal A/V to HDMI Switch with Scaler is a flexible video converter that offers an easy and convenient way of converting multiple analog/digital audio/video input signals into HDMI output. Enjoy a range of video formats, including composite, component, S-video, VGA, and HDMI with one HDMI display.

The VC1080 carries a high-performing scaling engine that converts the video resolution to give you the best image quality. It is equipped with a next generation color engine that automatically adjusts and enhances picture quality. It features a superior 3D de-interlacer function for smooth video playback. The VC1080 uses Smart Video Display technology to match the display's native resolution, as well as ATEN's Video DynaSync, which optimizes the video display without any delay when switching devices. The VC1080 also integrates superior video noise reduction and comb filter for maximum viewing comfort.

A built-in bidirectional RS-232 controller makes the VC1080 easy to integrate into control system applications, and configure its settings. With the VC1080 Universal A/V to HDMI Scaler, you can get the most out of your HDMI display making it ideal for boardrooms, classrooms and home theaters.

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

Features

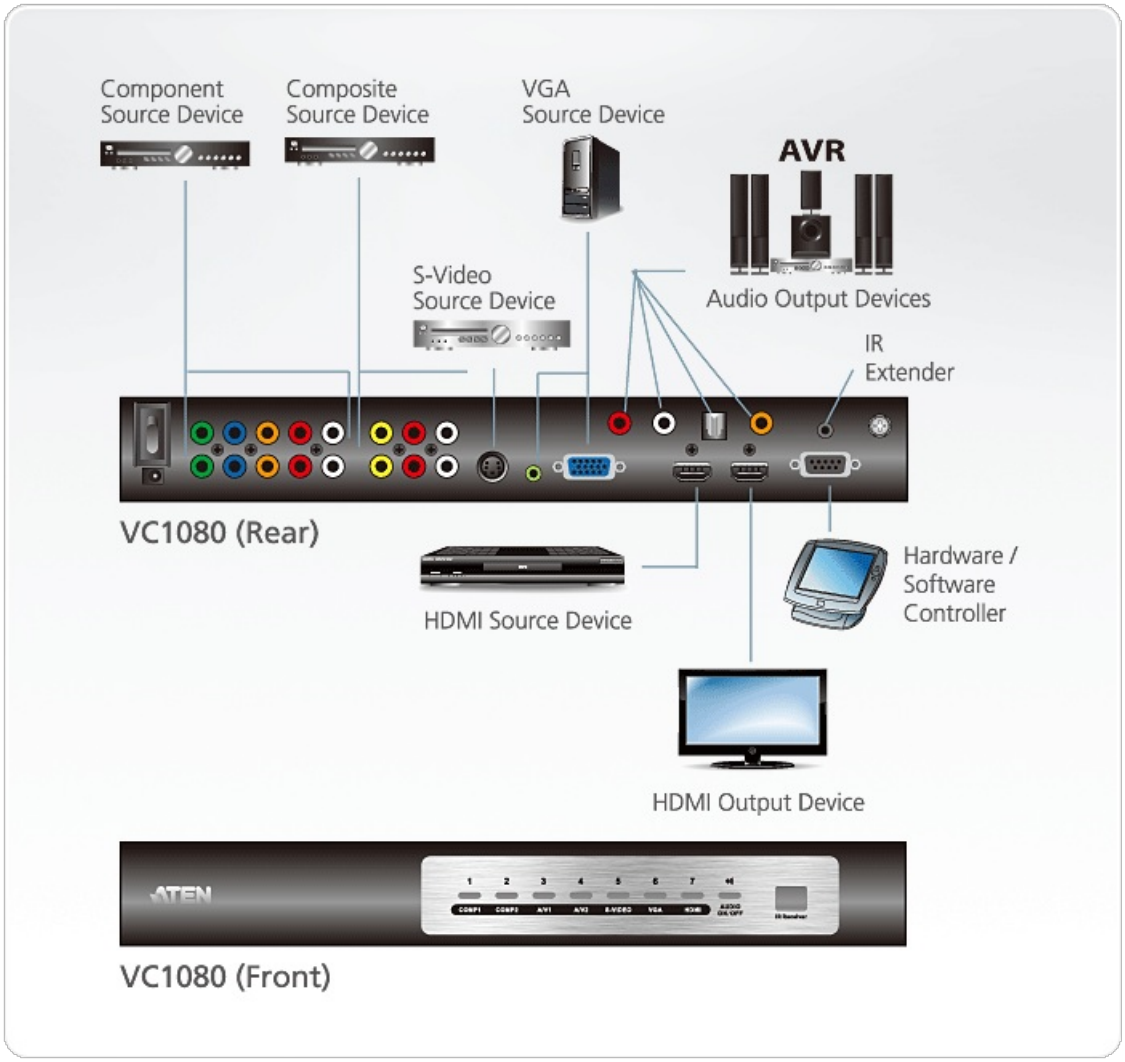
- Converts multiple analog/digital audio/video signals to HDMI output
- Features a built in high-performance scaler function for best image quality
- Integrated next generation color engine – automatic picture quality/color adjustment and enhancement
- Features a superior 3D de-interlacer function for smooth video playback quality (frame buffer 3D motion adaptive video)
- Supports Smart Video Display technology to match the native resolution of the display to optimize video quality
- Video DynaSync™ – Exclusive ATEN technology that eliminates boot-up display problems and optimizes resolution when switching between ports
- Integrated superior video noise reduction
- Supports comb filter – provides superior chrominance and luminance separation function for composite video signal
- Supports HDTV input resolutions: 480i, 480p, 576i, 576p, 720p, 1080i and 1080p; and PC input resolutions: VGA,SVGA, XGA, SXGA, up to UXGA
- Implements ATEN EDID Expert technology allows multi resolution input and display
- Supports optical/coaxial digital audio and one stereo audio output
- RS-232 command control for switching ports and system configuration
- Device selection via front panel pushbuttons, IR remote control, and RS- 232 control signal
- Built-in OSD function for video, audio and system settings configuration
- Supports IR extension using a receiver extension cable
- HDMI and HDCP compatible

Specification

Video Input	
Interfaces	Component: 2 x RCA female (Blue), 2 x RCA female (Red), 2 x RCA female (Green) Composite: 2 x RCA female (Yellow) S-Video: 1 x S Video female (Black) VGA In: 1 x HDB-15 female (Blue) HDMI In: 1 x HDMI Type A female (Black)
Video Output	
Interfaces	1 x HDMI Type A female (Black)
Video	
Supported Resolutions	Supports HDTV input resolutions: 480i, 480p, 576i, 576p, 720p, 1080i and 1080p; and PC input resolutions: VGA, SVGA, XGA, SXGA, up to UXGA Output Resolution: Automatically scales to native resolution of the display
Audio	
Input	Component: 2 x RCA female (Red), 2 x RCA female (White) Composite: 2 x RCA female (Red), 2 x RCA female (White) S-Video: Share audio with AV3 VGA In: 1 x 3.5 mm audio jack (Green)
Output	Optical Audio: 1 x Toslink (Black) Coaxial Audio: 1 x RCA female (Orange) Stereo Audio: 2 x RCA female (White / Red)
Control	
RS-232	1 x DB 9 female (Black)
IR	1 x 3.5mm jack (Black)
Switches	
Source Selection	1 x Pushbutton
HDMI Mute	1 x Pushbutton
Power	1 x Rocker
LEDs	
Selected	7 (Green)
HDMI Mute	1 (Blue)
Connectors	
Power	1 x DC Jack
Power Consumption	DC5.3V, 5.8W
Environmental	
Operating Temperature	0-50°C
Storage Temperature	-20 - 60°C

Humidity	0 - 80% RH, Non-Condensing
Physical Properties	
Housing	Metal
Weight	1.48 kg (3.26 lb)
Dimensions (L x W x H)	33.50 x 16.13 x 4.40 cm (13.19 x 6.35 x 1.73 in.)
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.

Diagram



ATEN International Co., Ltd.
3F., No.125, Sec. 2, Datong Rd., Sijhih District., New Taipei City 221, Taiwan
Phone: 886-2-8692-6789 Fax: 886-2-8692-6767
www.aten.com E-mail: marketing@aten.com

© Copyright 2015 ATEN® International Co., Ltd.
ATEN and the ATEN logo are trademarks of ATEN International Co., Ltd.
All rights reserved. All other trademarks are the property of their respective owners.