

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.



Features

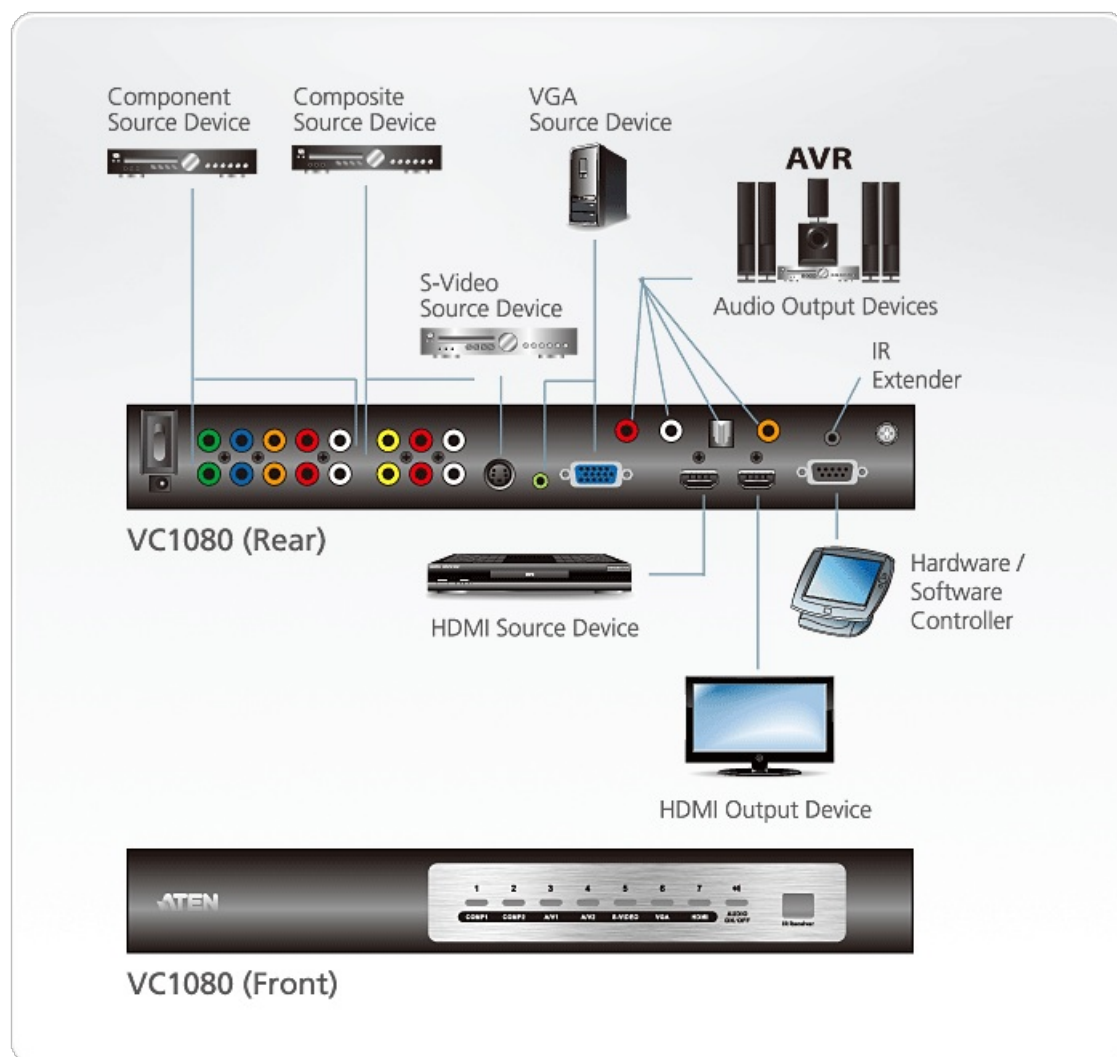
- Converts multiple analog/digital audio/video signals to HDMI output
- Features a built in high-performance scaler function for best image quality
- Integrated next generation color engine – automatic picture quality/color adjustment and enhancement
- Features a superior 3D de-interlacer function for 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

Specifications

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 Note: <ul style="list-style-type: none"> ● 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	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





Simply Better Connections

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