

# VC1080

## Universal AV 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 AV 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 AV to HDMI Scaler, you can get the most out of your HDMI display making it ideal for boardrooms, classrooms and home theaters.

Front view



Rear view

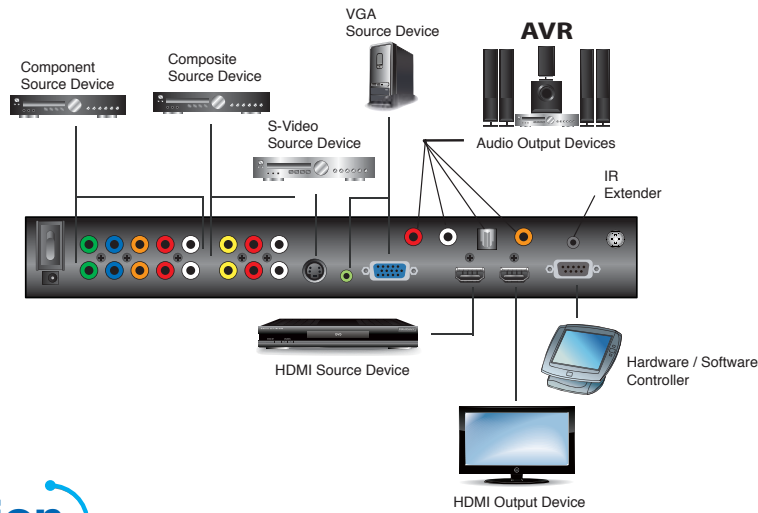


## Features

- 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

## Benefits

<b>Scaler</b>	The VC1080 is equipped with a high-performing scaling engine that converts various input video resolutions into the display's native resolution, giving viewers the best picture and video quality. Low input resolutions are scaled expertly to the best fit so that video playback is smooth and enjoyable. In addition, this premium scaling engine offers a range of aspect settings that automatically adjusts the picture ratio for maximum viewing comfort.
<b>3D De-interlacer Function</b>	By scanning the frequency to increase image clarity through digital signal processing, the display becomes crystal clear and viewers get better video quality.
<b>Smart Video Display</b>	The VC1080 supports Smart Video Display technology to match the native resolution of the display for optimized video quality.
<b>Video DynaSync™</b>	Exclusive ATEN technology that eliminates boot-up display problems and optimizes resolution when switching between ports
<b>OSD</b>	The VC1080 comes with a built-in OSD making it easy and convenient for viewers to configure various settings of the display. Navigate the OSD menu using a remote control, and adjust the picture, audio and system settings, or simply view information about the current setup.



## Specification

Function				VC1080	
Connectors	Input	AV 1/2	Component	Video 2 x RCA female (Blue), 2 x RCA female (Red) 2 x RCA female (Green)	
			Audio	2 x RCA female (Red), 2 x RCA female (White)	
		AV 3/4	Composite	Video 2 x RCA female (Yellow)	
			Audio	2 x RCA female (Red), 2 x RCA female (White)	
		AV 5	S Video	Video	1 x S Video female (Black)
				Audio	Share audio with AV3
	AV 6	VGA In	Video	1 x HDB-15 female (Blue)	
			Audio	1 x 3.5mm audio jack (Green)	
	AV 7	HDMI In		1 x HDMI Type A female (Black)	
	Output	Video	HDMI Out	1 x HDMI Type A female (Black)	
		Digital	Optical Audio	1 x Toslink (Black)	
			Coaxial Audio	1 x RCA female (Orange)	
	Analog	Stereo Audio	2 x RCA female (White / Red)		
	RS-232 Port		1 x DB 9 female (Black)		
	Power Jack		1 x DC Jack		
	IR Extender		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)		
IR Control				1	
Video				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	
Power Consumption				DC5.3V, 5.8W	
Environment	Operating Temp.		0 - 50°C		
	Storage Temp.		-20°C - 60°C		
	Humidity		0 - 80% RH, Non-condensing		
Physical Properties	Housing		Metal		
	Weight		1.48 kg		
	Dimensions (L x w x H)		33.50 x 16.13 x 4.40 cm		

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