

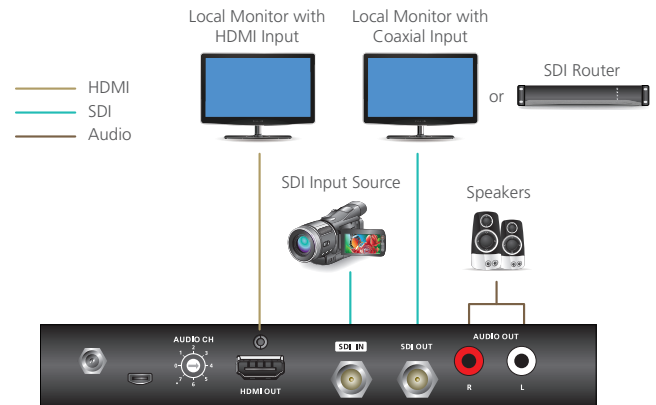
# 12G-SDI to HDMI 2.0 Converter VC486

- The VC486 is a 12G-SDI to HDMI 2.0 Converter that converts HD/3G/6G/12G-SDI input signals to an HDMI output in real time. It supports various transmission distances depending on different SDI formats, including 45 m (12G-SDI), 60 m (6G-SDI), 90 m (3G-SDI), and 150 m (HD-SDI), offering the flexibility for professional video projects. The VC486 is a perfect choice for applications such as using HDMI televisions as SDI broadcast monitors, and connecting to video projectors.



## Features

- Converts HD/3G/6G/12G-SDI input signals to an HDMI output in real time
- SDI signal re-clocked for high signal quality
- Supports SDI standard SMPTE-292/424/425-3/2081/2082
- Supports an SDI distance of up to 45 m (12G-SDI), 60 m (6G-SDI), 90 m (3G-SDI) and 150 m (HD-SDI)
- Supported SDI formats:
  - HD-SDI (SMPTE 292M, 296M, up to 1.485 Gbps)
  - 3G-SDI (SMPTE 424M, 425M level A and B, up to 2.97 Gbps)
  - 6G-SDI (SMPTE 2081-1, SMPTE 2081-10, up to 6 Gbps)
  - 12G-SDI (SMPTE 2081-1, SMPTE 2081-10, SMPTE 2082-1 and SMPTE 2082-10, up to 12 Gbps)
- Supports analog stereo audio output with RCA (R/L) connector
- Automatic detection of input video signals
- Analog Audio channel selection with a 8-step rotary switch
- Locking power connector



## Specifications

Function	VC486
<b>Switches</b>	
Analog Audio Selection	1 x Rotary Switch (8-steps)
<b>Control</b>	
USB	1 x Micro USB (FW upgrade)
<b>Video Input</b>	
Interfaces	1 x SDI (BNC connector, inter-locked socket)
Impedance	75 Ω
<b>Video Output</b>	
Interfaces	1 x HDMI (Type-A) Female 1 x SDI (BNC connector, inter-locked socket)
Impedance	HDMI 100 Ω / SDI 75 Ω
<b>Video</b>	
Max. Data Rate	12 Gbps
Supported Resolutions	720p50, 720p59.94, 720p60, 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60, 1080pF25, 1080pF29.97, 1080pF30, 1080i50, 1080i59.94, 1080i60 2K DCI 23.98p, 2K DCI 24p, 2K DCI 25p, 2K DCI 25pF, 2160p23.98, 2160p24, 2160p25, 2160p29.97, 2160p30, 2160p50, 2160p59.94, 2160p60 4K DCI 23.98p, 4K DCI 24p, 4K DCI 25p
Max. Distance	[12G-SDI] up to 45 m; [6G-SDI] up to 60 m; [3G-SDI] up to 90 m; [HD-SDI] up to 150 m; HDMI up to 3 m (3840 X 2160@60Hz)
<b>Audio</b>	
Output	1 x HDMI (Type-A) Female 2 x RCA Connector Female (R/L, analog audio)
Format	Compliance with HDMI 2.0 with Audio 2 CH
<b>SDI Formats</b>	
	HD-SDI (SMPTE 292M, 296M, up to 1.485 Gbps) 3G-SDI (SMPTE 424M, 425M level A and B, up to 2.97 Gbps) 6G-SDI (SMPTE 2081-1, SMPTE 2081-10, up to 6 Gbps) 12G-SDI (SMPTE 2081-1, SMPTE 2081-10, SMPTE 2082-1 and SMPTE 2082-10, up to 12 Gbps)
<b>Connectors</b>	
Power	1 x DC 5V 3A, Lockable
<b>Power Consumption</b>	
	DC5V:5.69W
<b>Environmental</b>	
Operating Temperature	0 - 40°C
Storage Temperature	-20 - 60°C
Humidity	20 - 90% RH, Non-Condensing
<b>Physical Properties</b>	
Housing	Metal
Weight	0.65 kg
Dimensions (L x W x H)	18.20 x 12.96 x 2.87 cm

Product information is subject to change without prior notice.

### 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

Publish Date: 06/2020 V2.0



© Copyright 2020 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.