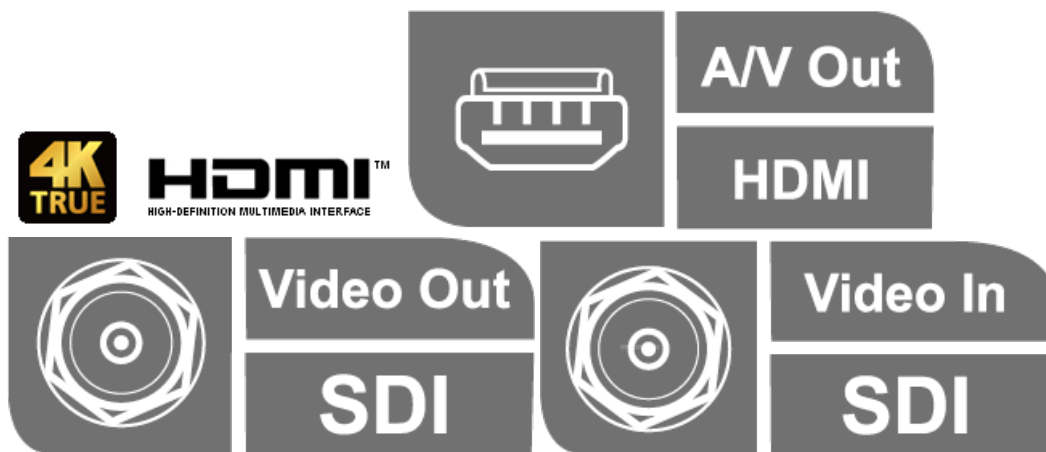


VC486

12G-SDI to HDMI Converter



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. In addition, the converter works with ATEN VC486 Configuration Software, allowing users to configure the device's input, output, and audio settings with ease. The VC486 is a perfect choice for converting SDI signal to HDMI for applications such as broadcasting, medical imaging and industrial inspection.



Features

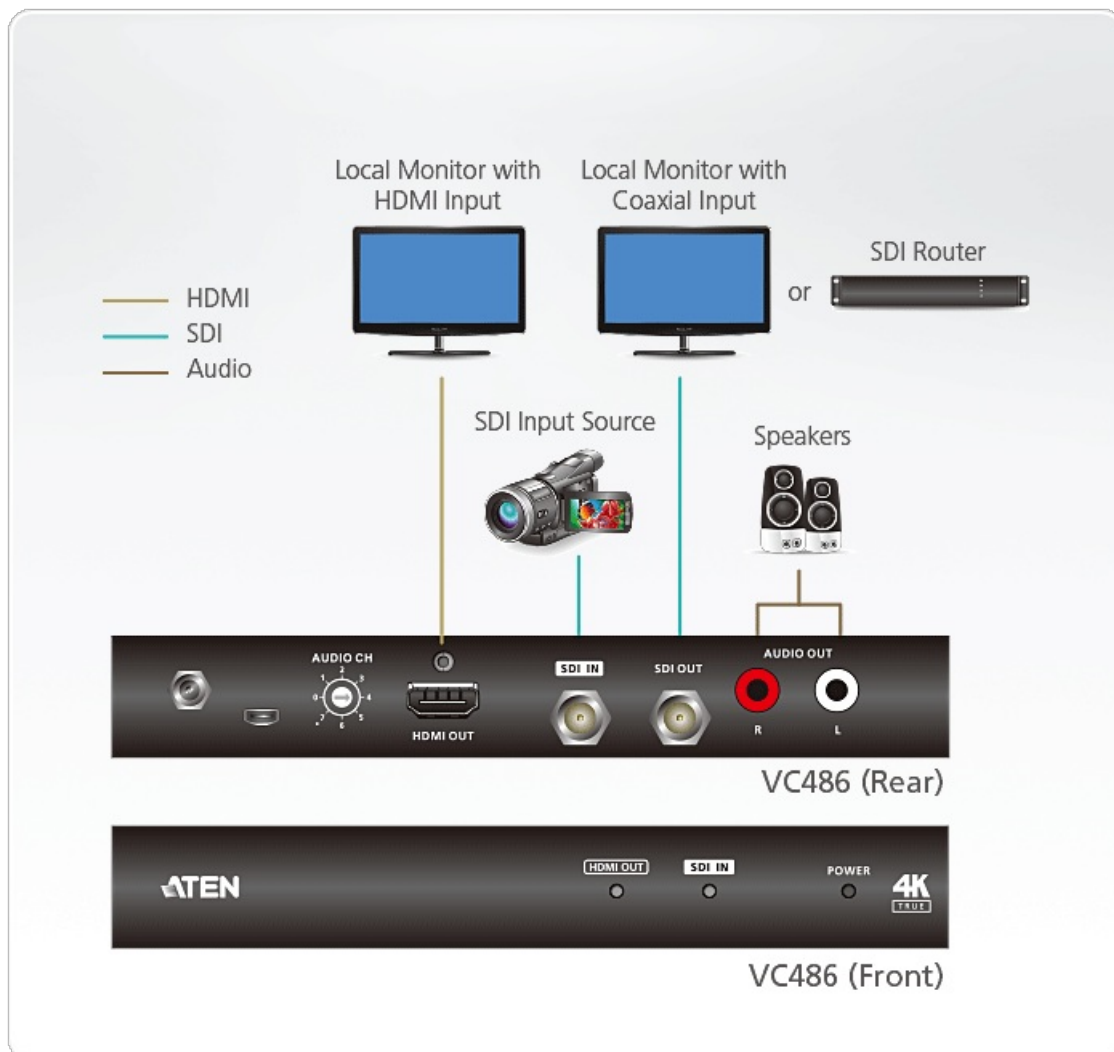
- Converts HD/3G/6G/12G-SDI input signals to an HDMI output in real time
- SDI signal re-clocked for high signal quality
- Supports SDI standard SMPTE-292/424/425-3/2081/2082
- Supports an SDI distance of up to 45 m (12G-SDI), 60 m (6G-SDI), 90 m (3G-SDI) and 150 m (HD-SDI)
- Supported SDI formats:
 - 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

| | |
|-----------------------|--|
| Switches | |
| Audio EDID Selection | 1 x rotary switch (8-steps) |
| Control | |
| USB | 1 x Micro USB (FW upgrade) |
| Video Input | |
| Interfaces | 1 x SDI (BNC connector, inter-locked socket) |
| Impedance | 75 Ω |
| Video Output | |
| Interfaces | 1 x HDMI (Type-A) Female 1 x SDI (BNC connector, inter-locked socket) |
| Impedance | HDMI 100 Ω / SDI 75 Ω |
| Video | |
| Max. Data Rate | 12 Gbps |
| Supported Resolutions | 720p50, 720p59.94, 720p60 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60 , 1080PsF25, 1080PsF29.97, 1080PsF30 1080i50, 1080i59.94, 1080i60 2K DCI 23.98p, 2K DCI 24p, 2K DCI 25p, 2K DCI 25PsF 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 45m [6G-SDI] up to 60m [3G-SDI] up to 90m [HD-SDI] up to 150m HDMI up to 3m (3840 X 2160@60Hz) |
| Audio | |
| Output | 1 x HDMI (Type-A) Female 2 x RCA connector Female (R/L, analog audio) |
| Format | Compliance with HDMI 2.0 with 2 CH Audio |
| SDI Formats | HD-SDI (SMPTE 292M, 296M, up to 1.485 Gbps) 3G-SDI (SMPTE 424M, 425M level A, 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 12Gbps) |
| Connectors | |
| Power | 1 x DC 5V 3A, Lockable |
| Power Consumption | DC5V:5.69W:27BTU/h Note: ● 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 - 40 °C |
| Storage Temperature | -20 - 60 °C |
| Humidity | 20 - 90% RH, Non-Condensing |
| Physical Properties | |
| Housing | Metal |
| Weight | 0.65 kg (1.43 lb) |
| Dimensions (L x W x H) | 18.20 x 12.96 x 2.87 cm (7.17 x 5.1 x 1.13 in.) |
| Carton Lot | 5 pcs |
| 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

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.