

Translator SDI



SDI to HDMI / VGA Converter

- Converts SDI input to HDMI and VGA with analog audio
- Supports all SD, HD, and 3G SDI input resolutions up to 1080i
- HDMI and VGA output resolutions to 1080p
- SDI audio automatically embedded in HDMI signal
- SDI cable equalization and re-clocking for superior video at cable distances to 1300 feet

Features and Benefits

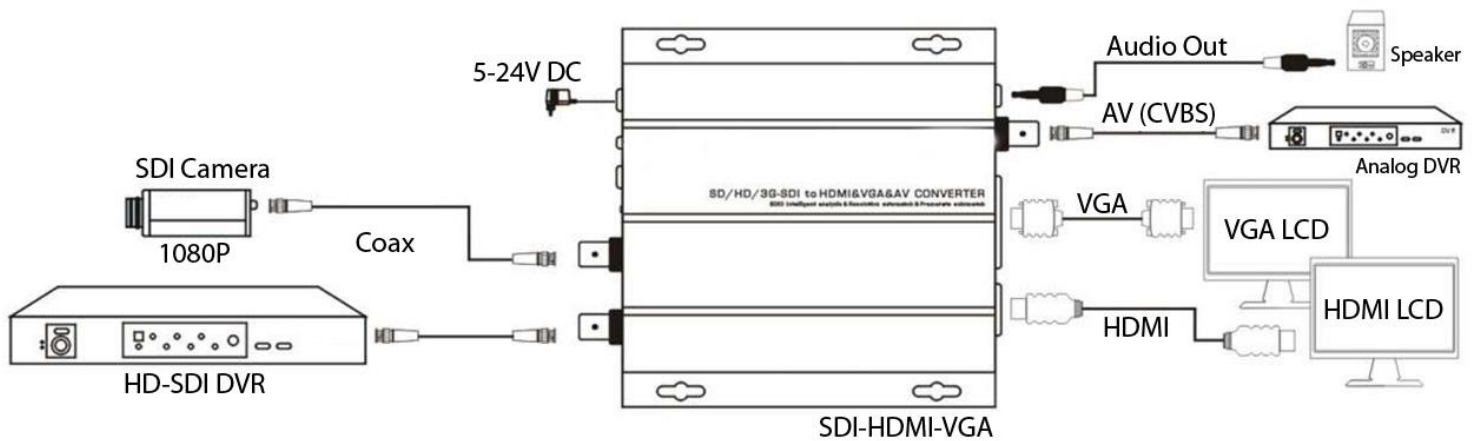
- Converts SDI signals to HDMI and VGA
- Supports cable lengths to 1300 ft for SD-SDI, 600 ft for HD-SDI, and 450 ft for 3D-SDI
- Input resolutions up to 1920 x 1080 @ 30 Hz
- Output resolutions up to 1920 x 1080 @ 60 Hz
- One SDI loop out channel
- Independent analog stereo audio output
- Converts HD-SDI input to HDMI and VGA output simultaneously
- HDMI/DVI output is HDCP compliant
- IR remote control for OSD menus
- Power, signal lock, and normal operation LED indicators
- 12V DC power supply

Product Overview . . .

Rose Electronics Translator SDI provides an easy and cost effective way to convert SDI video and audio to high definition HDMI and VGA simultaneously. Analog stereo audio is provided in addition to the embedded HDMI audio. SDI input resolutions up to 1080i are supported. The HDMI and VGA video outputs support a variety of resolutions up to 1920 x 1080 @ 60 Hz. An SDI loop out allows connecting the SDI input to other SDI equipment. Integrating a cable driver with SDI cable equalization and re-clocking provides enhanced video quality with longer cable lengths. An OSD menu controlled by an Infrared Remote adds to configuration flexibility.



Typical Application



Overview The Translator converts SDI signals to HDMI, and VGA with analog stereo audio.

Installation Connect a digital quality SDI coaxial cable from the video source to the input BNC connector. Optionally, connect the SDI loop out connector to other SDI capable equipment. Connect an HDMI cable from the unit's HDMI output connector to an HDMI display, or connect a VGA cable from the units HD15 output connector to a VGA display. Connect the power adapter to the locking barrel connector and to main power.

Video Transmission The Translator is optimized to receive standard definition SDI signals over coaxial cables up to 1300 feet long. HD-SDI signals can be transmitted on cables up to 600 feet long, and the highest definition 3G-SDI signals can be input at cable lengths up to 450 feet.

DVI and HDMI output is HDCP compliant. Basic video output modes can be set by two DIP switches, with as many as 12 alternate resolutions available by OSD configuration. VGA output at lower resolutions can be stretched or fitted to the screen.

Specifications

Part Number		Description	
CNV-SDI-HM-VA-K1		Translator, HDMI cable	
CNV-SDI-HM-VA-K2		Translator, HDMI to DVI cable	
CNV-SDI-HM-VA-K3		Translator, VGA cable	
Dimensions	Width (in/mm)	Depth (in/mm)	Height (in/mm)
Chassis	4.72 / 120	6.22 / 156	1.42 / 36
Weight		0.66 lbs (0.30kg)	
Video			
Input Interface		SD-SDI, HD-SDI, 3G-SDI	
Output Interface		HDMI, VGA, CVBS	
Maximum Input Resolution		1920 x 1080 @ 30 Hz	
Maximum Output Resolution		1920 x 1080 @ 60 Hz	
SDI Signal Range		0.8V p-p	
SDI Impedance		75 ohms	
SDI Coupling Type		AC Coupling	
Connectors			
Video input		1 x BNC SDI	
Video loop out		1 x BNC SDI	
Video output		1xHDMI, 1xVGA, 1xBNC CVBS	
Analog audio output		1 x 3.5mm stereo jack	
Power		Locking barrel connector	
Power Adapter			
Output		+12V DC at 1 amp	
Environmental			
Operating Temp		14°F - 140°F / -10°C - 60°C	
Storage Temp		-22°F - 158°F / -30°C - 70°C	
Relative Humidity		20% - 90% (non-condensing)	
Compliance			
Approvals		CE, FCC	