

# VX Series Digital Video Converter

DVI & HDMI Conversion to HD-SDI over Coaxial Cable



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## Features

- Converts HDMI / DVI to HD-SDI/SD with embedded audio and time code
- 8,10, & 12-bit resolution for best video conversion quality and dynamic range
- Supports RGB 4:4:4, YCbCr 4:4:4 or YCbCr 4:2:2
- Firmware updates through PS2 Serial port
- Full Digital Processing (without A->D or D->A conversion)
- Separate HDMI & DVI inputs (female)
- Dual-BNC output connectors
- Visual LED status indicators
- Supports I2S 48kHz 2 Channel Audio Formats

## Applications

- Professional audio visual installations
- Home theater connectivity
- Digital signage displays
- Local video editing studios
- Medical facility / distance learning theaters

## Easily Convert Standard DVI or HDMI to HD-SDI

The VX-DVI/HDMI-HDSDI portable DVI/HDMI to HDSDI/SDI converter, converts high resolution HDMI or DVI video signals to a SMPTE standard HD-SDI or SD-SDI signal for broadcasting on air or integrating into a professional video production system. Supporting resolutions up to 1080p or VESA (1920 x 1080 @ 60 Hz), your video signals will be seamlessly converted to a broadcast standard BNC style connector with no configuration.

This unit is designed for simple signal conversion giving you the flexibility to convert video for use within larger more complex permanent video installations. This enables a large number of video sources that utilize the standard DVI and HDMI connectors to be used in a broadcast environment.

## System Design

This converter was designed to have a conveniently small footprint, while still giving the user easy access to the video connectors. Each unit includes +5 VDC AC power supply. Many consumer or Pro-A/V applications currently utilize DVI and HDMI heavily, but professional Broadcasters are now more than ever needing the flexibility that those connections offer, in a SMPTE compliant video/audio signal environment.



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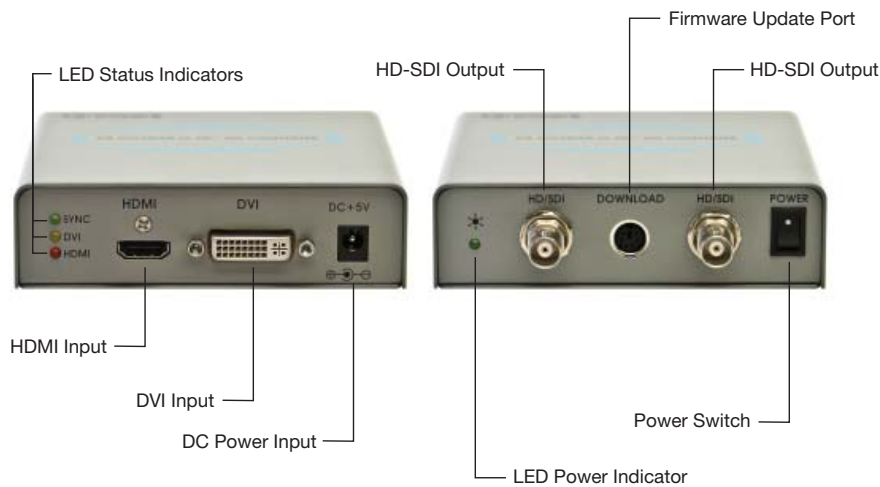
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## Ordering Information

Model
VX-DVI/HDMI-HDSI

## Connection Diagram



## Video

Specifications	Values
Input Formats	RGB (4:4:4), YCbCr (4:4:4), YCbCr (4:2:2)
Image Processing	8-bit, 10-bit & 12-bit
Input Resolutions	1080p (60/59.94/25/24/23.976) 1080i (60/59.94/50) 720p (60/59.94/50) 480i (59.94) 576i (50)
Output Bandwidth	2.97 Gbps
Input Resolution	1920 x 1080, 1080p (max)
Output Resolution	1920 x 1080p (max)

## Audio

Specifications	Values
Input Formats	I2S
Sampling Rate	48 kHz
Channels	2

## General

Specifications	Values
Dimensions (L x W x H)	4.68" x 4.2" x 1.32" 117.0 x 105.0 x 33.0 mm
Operating Temperature	10° to +40°C
Storage Temperature	-25°C to +60°C
Humidity	5 to 95% (non-condensing)
Input Voltage	5 VDC

## Compliance

