

Features

- Supports HDMI 1.2 and 1.3a
- HDCP Compliant
- Can convert 1080p input to 1080i output
- Built-in Color Bar generator
- Tahoma multiviewer compatible RJ45 input
- HDMI loop out
- 2 HD-SDI output with 4 channels of embedded audio
- Analog Stereo output

Specifications

MODEL	DA-HDTV-SDI
DESCRIPTION	HDMI to SDI Converter with Looping Input and Dual Output
INPUT	1 x HDMI, 1 x RJ45 (HDMI)
OUTPUT	2 x SDI, 1 Stereo Audio Phone Jack
ADJUSTMENTS	Rotary dial for interlacing and internal color bars
MAXIMUM RESOLUTION / DISTANCE	HD-SDI up to 140 m, 3G up to 120 m
MOUNT	Magnetic
POWER	5V 3.2A
DIMENSION	62 W x 112 D x 35 H (mm)

Package Contents

- DA-HDTV-SDI
- Power Adapter (5V 3.2A)
- Stereo Phone Jack (1 x 2)
- 75 Ω Terminator
- Magnetic Mounting Plate
- Mounting Screws

Troubleshooting Q & A

There is no image on my SDI monitor.

If your source is 1080p, your monitor may only support 1080i, but not 1080p. Turn the rotary dial to position 1 to change your 1080p source to 1080i.

There is no image on my SDI monitor.

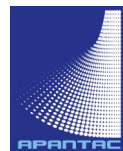
Check the color of the status indicator. If the indicator is green, it means there is power but no input source is detected, this may be related to the content protection on the HDMI source. If this is the case, please call Apantac technical support.

I have both the RJ-45 and HDMI input plugged in, but there is no image on my SDI monitor.

Push the scan button once, it will scan for the active source. If both RJ45 and HDMI inputs have active sources, the RJ45 has priority.

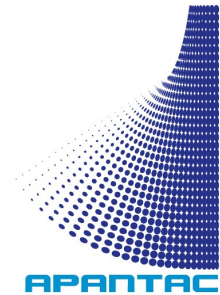
The status indicator LED is not lit.

Check for a possible loose power adapter connection. Use the fastener that comes with the accessories kit to ensure a secure connection.



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DA-HDTV-SDI USER MANUAL

HDMI/DVI to SDI Converter w/o scalar

Installation:

1. Connect and secure the power adapter. The status indicator will light green.
2. Connect the SDI output to the receiving device via a coax cable. If only one output is to be used, terminate the other with the included 75 ohm terminator.
3. Use the internal color bar test signals to ensure proper connectivity between the DA-HDTV-SDI and the receiving device. Select the appropriate test signal resolution and rate using the Mode Switch positions 2 through 9.
4. Set the rotary switch to position 0 (default).
5. Connect a HDMI signal to one or the other input of the DA-HDTV-SDI. The status indicator will light steady amber when the unit has locked on to the input video signal. (2 to 10 seconds)
6. If the input signal is a 1080p 50/59.94/60 signal (3G) and the receiving SDI equipment is not 3G capable, set the mode switch to position 1. This will convert 1080p signals into 1080i signals.

Notes:

- This unit does not alter the incoming resolution or refresh rate. Source and receiving equipment must be compatible. (i.e.: if the source outputs 60 Hz and the receiving SDI equipment can only tolerate 59.94 Hz signals there will exist an incompatibility. The DA-HDTV-SDI is not responsible for this incompatibility.)
- The DA-HDTV-SDI has a factory set, generic EDID on the HDMI input port. If a different EDID is required by your source, then an EDID emulator should be installed.

Accessories



Power Adapter



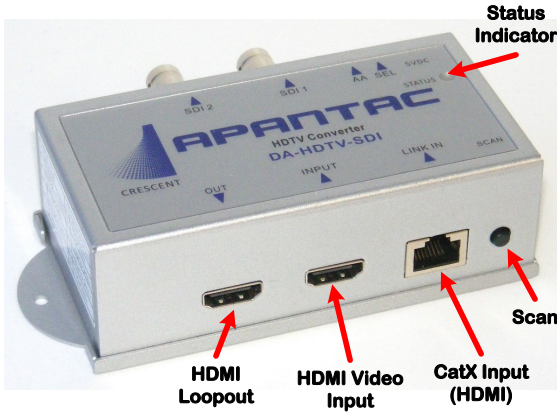
Stereo Phone Jack (1 x 2)



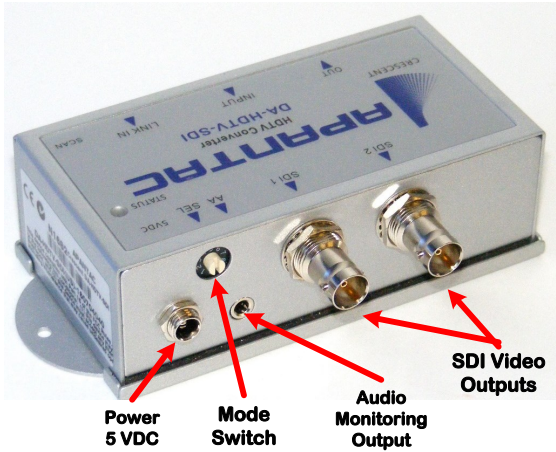
75 Ω Terminator



Mounting Screws



- **Status Indicator:** Green indicates power, Amber indicates video input locked on.
- **Scan button:** Initiates scan of the two inputs for presence of video signal.
- **CatX Input (HDMI):** Allows for direct connection from Apantac Multiviewers and other products.



- **Mode Switch:** (see the Mode Switch tables)
- **Audio Output:** Analog audio head-phone jack. Monitors the first pair of audio channels.

Mode Switch Functions

Position	Operating Mode
0	Standard Operating Mode
1	Interlacing Mode; converts 1080p to 1080i

Position	Color Bar Test Pattern on SDI outputs
2	1080p @ 50Hz
3	1080p @ 59.94Hz
4	1080i @ 50Hz
5	1080i @ 59.94Hz
6	720p @ 50Hz
7	720p @ 59.94Hz
8	576i (625i) @ 50Hz
9	480i (525i) @ 59.94Hz

Note: SDI Color Bar test patterns do not include audio.

Supported Formats

Resolution	Refresh Rates
1920x1080p	23.98 / 24 / 25 / 29.97 / 30 50 / 59.94 / 60 Hz
1920x1080i	50 / 59.94 / 60 Hz
1280x720p	50 / 59.94 / 60 Hz
1440x480i (NTSC)	59.94 Hz
1440x576i (PAL)	50 Hz
(Audio)	PCM