

**1T-C2-511** is a high performance converter that transforms HD-SDI signals to DVI-I, both digital and analog. Designed for broadcast and professional use, the unit provides a highly reliable conversion with re-clocking and equalization of the input. It also handles 525i or 625i SD-SDI signals, converting them to 480p and 576p respectively. HD-SDI HDTV resolutions from 720p to 1080i 60Hz are accommodated. Embedded Stereo Audio may be extracted from the SD or HD-SDI input. Any one of the eight available stereo channels may be selected and output in analog and AES3-id digital formats. Control is via front panel buttons and an on-screen display. The unit is housed in a Desktop metal case with an optional Single/Dual Rackmount Kit.



## Key Features of the 1T-C2-511

- Full Digital Operation for SD/HD-SDI Conversion
- Equalized and Re-clocked SD/HD-SDI Loop-thru
- DVI HD output resolution matches SDI input
- 525i/625i SDI inputs line-doubled to 480p/576p
- Stereo Audio Extraction to Analog and Digital out
- RS-232 Interface

## Specifications

### SD/HD-SDI Video Input

SMPTE259M @ 270Mb/s, SMPTE292M to 1485Mb/s 1x via BNC Connector

Video Processing 24 bit, 4:4:4

### SD/HD-SDI Video Output

Active Looping Signal Equalized & Re-clocked

### DVI-I Video Outputs

DVI Digital Output 1x via DVI-I Connector

Output Resolutions Per table below

### Analog Video Output

RGBHV / YPbPr 1x via the DVI-I Connector

### Audio Extraction

Input Format SD-SDI or HD-SDI

Number of Stereo Outputs 1x selected from any of the 8x embedded in SDI input 48kHz

Sample Rate

### Stereo Audio Out

Analog Stereo 2x RCA Connectors

AES3-id Digital Stereo 1x via BNC Connector

### Control Method

Display On screen display

Front Panel Buttons Menu, Up, Down

### Mechanical

Size (HWD) 30x200x90mm(1.2"x7.87"x3.5")

Weight (Net) 0.54 kg (1.19 lbs)

## Warranty

Limited Warranty 2 Years Parts and Labor

## Environmental

Operating Temperature 0° to +50° C (+32° to +122° F)

Operating Humidity 10% to 85%, Non-condensing

Storage Temperature -10° to +70° C(+14° to +158° F)

Storage Humidity 10% to 85%, Non-condensing

## Power Requirement

External Power Supply 12VDC@1A - Locking DC

## Regulatory Approvals

Converter Unit FCC, CE, RoHS

Power Supply UL, CUL, CE, PSE, GS, RoHS

## Product Item Number

1T-C2-511 SD/HD-SDI to DVI-I Converter

## Accessories Included

Video Adapters DVI to VGA

1x Power Adapter US, UK or Euro

Operations Manual

## Optional Accessories

RM-230 Single/Dual Rackmount Kit

## Notes

- (1) Resolutions not listed in the Table are not supported.
- (2) No scaling is provided so the output resolution and vertical rate will match the input signal exactly.
- (3) The output clock matches input clock with no jitter reduction, so input jitter is transferred to the output.

## Input-Output Conversion Table

Input Signal	Digital and Analog Video Output Signal
525-line SD-SDI @ 29.97Hz	525-line progressive DVI-I @ 59.94Hz
625-line SD-SDI @ 25Hz	625-line progressive DVI-I @ 50Hz
720p HD-SDI @ 23.98, 24, 25, 29.97, 30, 50, 59.94, 60Hz	720-line progressive DVI-I @ same frame rate as input
1080p HD-SDI @ 23.98, 24, 25, 29.97, 30Hz	1080-line progressive DVI-I @ same frame rate as input
1035i HD-SDI @ 29.97, 30Hz	1035-line interlaced DVI-I @ same frame rate as input
1080i HD-SDI @ 25, 29.97, 30Hz	1080-line interlaced DVI-I @ same frame rate as input

## Panel Drawings

