

1T-C2-511 & 1T-C2-520 Specifications

SD/HD-SDI Video Input (1T-C2-511)

SMPTE259M @ 270Mb/s,
SMPTE292M to 1485Mb/s 1x via BNC Connector
Video Processing 24 bit, 4:4:4

SD/HD-SDI Video Output (1T-C2-511)

Active Looping Signal Equalized & Re-clocked

DVI-I Video Outputs (1T-C2-511)

DVI Digital Output 1x via DVI-I Connector
Output Resolutions Per table below

Analog Video Output (1T-C2-511)

RGBHV / YPbPr 1x via the DVI-I Connector

Audio Extraction (1T-C2-511)

Input Format SD-SDI or HD-SDI
Number of Stereo Outputs 1x selected from any of the
8x embedded in SDI input

Sample Rate 48kHz

Stereo Audio Out (1T-C2-511)

Analog Stereo 2x RCA Connectors
AES3-Id Digital Stereo 1x via BNC Connector

DVI-I Video Input (1T-C2-520)

DVI-D or RGBHV 1x via DVI-I Connector

Component Video Input (1T-C2-520)

YUV or YPbPr 1x via 3x BNC Connectors

SD/HD-SDI Video Output (1T-C2-520)

SMPTE259M @ 270Mb/s,
SMPTE292M to 1485Mb/s 1x via BNC Connector
Video Processing 24 bit, 4:4:4
Output Resolutions Per table below

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)

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

Warranty

Limited Warranty 2 Years Parts and Labor

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 Numbers

1T-C2-511 SD/HD-SDI to DVI-I Converter
1T-C2-520 DVI to SDI Converter

Accessories Included

Video Adapters DVI to VGA (1T-C2-511)
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.
- (4) Video input timing must correspond to SMPTE 259M/292M timing exactly or output will not be valid.

1T-C2-511 In/Output Conversion Table

Input Signal

525-line SD-SDI @ 29.97Hz
625-line SD-SDI @ 25Hz
720p HD-SDI @ 23.98, 24, 25, 29.97, 30, 50, 59.94, 60Hz
1080p HD-SDI @ 23.98, 24, 25, 29.97, 30Hz
1035i HD-SDI @ 29.97, 30Hz
1080i HD-SDI @ 25, 29.97, 30Hz

Digital and Analog Video Output Signal

525-line progressive DVI-I @ 59.94Hz
625-line progressive DVI-I @ 50Hz
720-line progressive DVI-I @ same frame rate as input
1080-line progressive DVI-I @ same frame rate as input
1035-line interlaced DVI-I @ same frame rate as input
1080-line interlaced DVI-I @ same frame rate as input

1T-C2-520 In/Output Conversion Table

Digital Video Input Signal

N/A
N/A
720-line progressive DVI-D
@ 23.98, 24, 25, 29.97, 30, 50, 59.94, 60Hz
1080-line progressive DVI-D
@ 23.98, 24, 25, 29.97, 30Hz
1035-line interlaced DVI-D
@ 29.97, 30Hz
1080-line interlaced DVI-D
@ 25, 29.97, 30Hz

Analog Video Input Signal

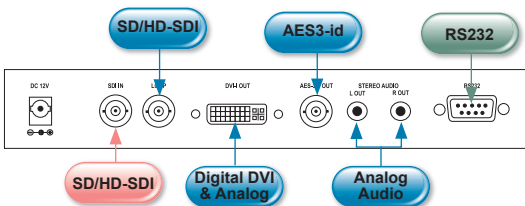
525-line interlaced YUV @ 29.97Hz
625-line interlaced YUV @ 25Hz
720-line progressive RGBHV/YPbPr
@ 23.98, 24, 25, 29.97, 30, 50, 59.94, 60Hz
1080-line progressive RGBHV/YPbPr
@ 23.98, 24, 25, 29.97, 30Hz
1035-line interlaced RGBHV/YPbPr
@ 29.97, 30Hz
1080-line interlaced RGBHV/YPbPr
@ 25, 29.97, 30Hz

Output Signal

525-line SD-SDI @ 29.97Hz
625-line SD-SDI @ 25Hz
720p HD-SDI
@ same frame rate as input
1080p HD-SDI
@ same frame rate as input
1035i HD-SDI
@ same frame rate as input
1080i HD-SDI
@ same frame rate as input



1T-C2-511



1T-C2-520

