

DVC 501 SD

Multi-Rate SDI to DVI and RGB/Component Converter

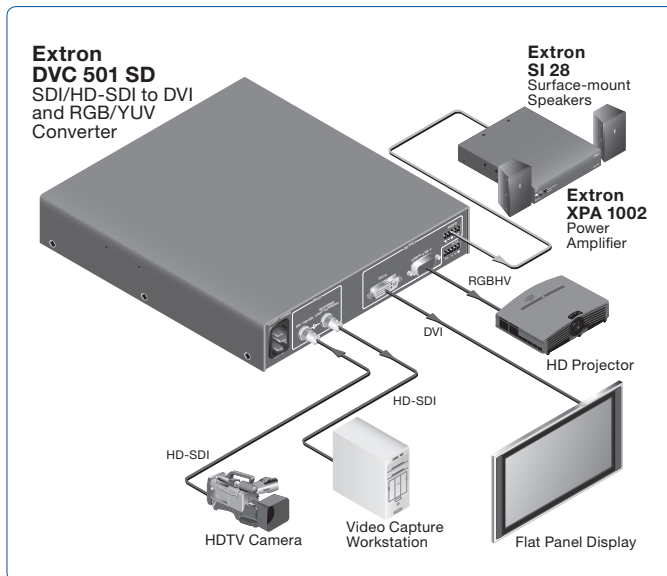


DESCRIPTION

The Extron **DVC 501 SD** converts SDI, HD-SDI, and 3G-SDI serial digital video signals to DVI-D and analog RGB or component video formats. It features automatic equalization of input signals, extraction of embedded AES3 audio, and RS-232 serial control. The DVC 501 SD is ideal for applications including television production, medical imaging, military simulation, houses of worship, and live events that require interfacing SDI signals from broadcast-type sources to professional / consumer-level displays and signal distribution systems that only accept DVI or analog signals. It is compliant with SMPTE 259M, 292M, 424M, and ITU digital video standards.

FEATURES

- Accepts multi-rate SDI signals up to 2.97 Gbps
- Simultaneous DVI-D and analog RGB / component video outputs
- AES3 audio de-embedding
- Input equalization and reclocking on buffered output
- Internal test patterns for calibration and setup
- Output muting control
- RS-232 control



SPECIFICATIONS

VIDEO INPUT AND LOOP THROUGH

Number/signal type	1 SDI (SMPTE 259M-C, 270 Mbps), HD-SDI (SMPTE 292M, 1.485 Gbps), or 3G-SDI (SMPTE 424M, 2.97 Gbps) digital component video
Connectors	1 female BNC, 1 female BNC loop-through
Input cable equalization	Automatic for up to -30 dB of cable loss
HD-SDI	120 m (400') using Extron RG6 cable 90 m (300') using Extron RG59 cable
SDI	150 m (500') using Extron RG6 cable 120 m (400') using Extron RG59 cable

NOTE: The transmission distance varies depending on the signal resolution and on the type of cable, graphics card, and display used in the system.

VIDEO OUTPUT

Number/signal type	1 single link DVI-D 1 RGB, YUV / YPbPr
Connectors	1 female DVI-I 1 female 15-pin HD

AUDIO INPUT

Number/signal type	1 SDI embedded audio (SMPTE 272M, SMPTE 299M)
Adjustment range	-18 dB to 0 dB

AUDIO OUTPUT

Number/signal type	1 stereo, balanced/unbalanced
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CONTROL/REMOTE – DECODER/SCALER

Serial control port	1 RS-232, 3.5 mm captive screw connector, 5 pole (uses 3 poles)
USB control ports	1 front panel female mini USB B

GENERAL

Power supply	Internal Input: 100-240 VAC, 50-60 Hz
Power consumption	12 watts
Enclosure dimensions	1.75" H x 8.75" W x 9.5" D (half rack wide) 4.4 cm H x 22.2 cm W x 24.1 cm D (Depth excludes connectors and knobs.)
Product weight	2.3 lbs (1.1 kg)
Regulatory compliance	
Safety	CE, c-UL, UL
EMI/EMC	CE, C-tick, FCC Class A, ICES, VCCI
MTBF	30,000 hours
Warranty	3 years parts and labor

NOTE: Specifications are subject to change without notice.

For complete specifications, please go to www.extron.com

MODEL

VERSION DESCRIPTION

PART #

DVC 501 SD

3G-SDI to DVI/RGB/Component Converter

60-1033-01