

DVS 510

10 Input HDCP-Compliant Scaling Presentation Switcher

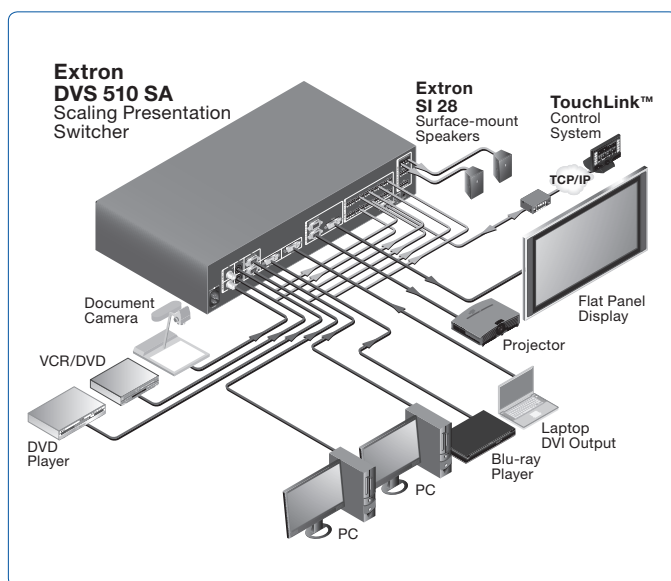


DESCRIPTION

The Extron **DVS 510** is a 10 input, multi-format Presentation Scaling Switcher that accepts and scales DVI, RGB, HDTV, and standard definition signals to a common, high resolution output rate. The DVS 510 is HDCP-compliant and features simultaneous DVI and two analog RGB/YUV outputs. It is a true presentation switcher for professional environments, with audio switching for all video input sources, an available 50 watt stereo integrated amplifier, picture-in-picture, and glitch-free switching. The DVS 510 also offers flexible control options including front panel control, Ethernet, RS-232, and IR.

FEATURES

- Integrates DVI/HDMI, RGB, HDTV, video, and audio sources into presentation systems
- HDCP compliant
- Simultaneous DVI and analog RGB or HD component video outputs
- EDID Emulation provides selectable resolutions and refresh rates to ensure reliable operation
- PIP - picture-in-picture
- Glitch-free switching
- Power Save Mode
- Audio switching and output volume control
- Available stereo power amplifier model with 25 watts rms per channel into 4 or 8 ohms



SPECIFICATIONS

VIDEO INPUT

Number/signal type	2 composite video 2 S-video 4 RGBHV, RGBS, RGSB, RGBcvs, component video (interlaced, progressive, or HDTV) 2 DVI/HDMI digital video (single link) (HDCP compliant)
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VIDEO OUTPUT

Number/signal type	2 scaled RGBHV, RGBS, RGSB; Y, R-Y, B-Y 1 scaled DVI/HDMI (HDCP compliant)
Scaled resolutions	640x480 ^{1,2,3} , 800x600 ^{1,2,3} , 852x480 ^{1,2,3} , 1024x768 ^{1,2,3} , 1024x852 ^{1,2,3} , 1024x1024 ^{1,2,3} , 1280x768 ^{1,2} , 1280x800 ^{1,2} , 1280x1024 ^{1,2,3} , 1360x765 ^{1,2,3} , 1360x768 ^{1,2,3} , 1365x768 ^{1,2,3} , 1366x768 ^{1,2,3} , 1365x1024 ^{1,2,3} , 1400x1050 ^{1,2} , 1440x900 ^{1,2,3} , 1600x1200 ^{1,2} , 1680x1050 ^{1,2} , 1920x1200 ^{1,2} , 2048x1080 ^{1,2,4,5,6,7,8,9} , 480p ^{2,9} , 576p ¹ , 720p ^{1,2,6,7,8,9} , 1080i ^{1,2,9} , 1080p ^{1,2,4,5,6,7,8,9} ¹ = at 50 Hz, ² = at 60 Hz, ³ = at 75 Hz, ⁴ = at 23.98 Hz, ⁵ = at 24 Hz, ⁶ = at 25 Hz, ⁷ = at 29.97 Hz, ⁸ = at 30 Hz, ⁹ = at 59.94 Hz

AUDIO

Frequency response	Fixed and variable: 20 Hz to 20 kHz, ±1.5 dB
THD + Noise	Variable: <0.11% at 1 kHz, 20 kHz bandwidth Fixed: <0.025% at 1 kHz, 20 kHz bandwidth
S/N	Variable: 90 dB at rated maximum output Fixed: 90 dB at rated maximum output

AUDIO INPUT

Number/signal type	10 stereo, balanced or unbalanced
Number/signal type	1 stereo or 2 mono (2 channels total)

AUDIO OUTPUT - AMPLIFIED - DVS 510 SA ONLY

Load impedance	2 ohms, minimum
Amplifier type	Class D
Output power	25 watts rms per channel, 2/4/8 ohms, 1 kHz, 1% THD
Frequency response	20 Hz to 20 kHz, ±3 dB
THD + Noise	0.15% @ 1 kHz at nominal level (1 watt, 8 ohm load)
S/N	74 dB, 20 Hz to 20 kHz, unweighted

GENERAL

Power	Internal Input: 100-240 VAC, 50-60 Hz
Power consumption	DVS 510 115 VAC, 60 Hz 28 watts 240 VAC, 50 Hz 28 watts DVS 510 SA 115 VAC, 60 Hz 71 watts 240 VAC, 50 Hz 69 watts
Temperature/humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Mounting	Yes, with included brackets
Enclosure dimensions	3.5" H x 17.5" W x 9.4" D (2U high, full rack wide) (8.9 cm H x 44.4 cm W x 23.9 cm D) (Depth excludes connectors and knobs. Width excludes mounting brackets.)

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

MODEL	VERSION DESCRIPTION	PART #
DVS 510	Variable Preamp Output - No Amplifier	60-835-01
DVS 510 SA	2x25 Watt Stereo Power Amplifier	60-835-02