

DVS 605

Five Input HDCP-Compliant Scaler with Seamless Switching

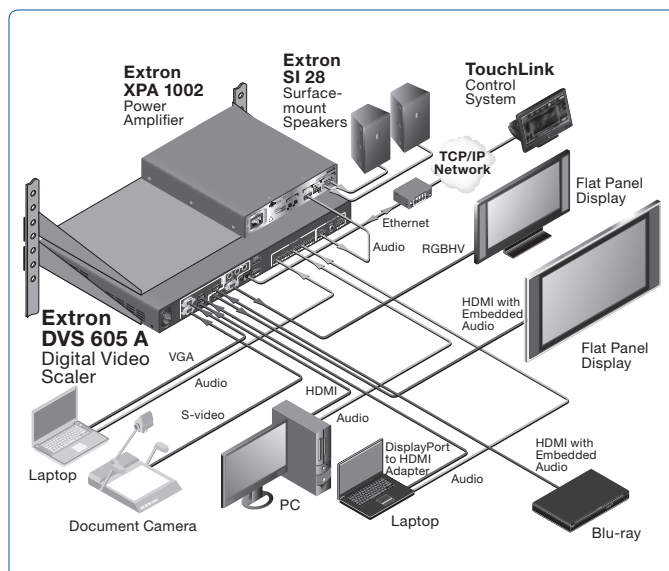


DESCRIPTION

The Extron **DVS 605** is a high performance video scaler that includes three HDMI inputs, two universal analog video inputs, and simultaneous HDMI and analog high resolution outputs. The DVS 605 accepts a wide variety of video formats including HDMI with HDCP, HDTV, RGB, and standard definition video. It features advanced Extron video signal processing with 1080i deinterlacing, Deep Color processing, and true seamless switching for professional-quality presentations. Designed for professional AV integration, the DVS 605 offers flexible control options including Ethernet, RS-232, USB, and contact closure. The DVS 605 is available in models with audio switching plus HDMI audio embedding / de-embedding, and also 3G-SDI/HD-SDI output with genlock.

SERIES FEATURES

- Three HDMI inputs and two universal auto-detecting analog video inputs
- HDCP compliant
- Advanced scaling engine
- True seamless switching
- PIP - picture-in-picture
- SpeedSwitch™ Technology provides exceptional switching speed for HDCP-encrypted content
- Deep Color processing
- Simultaneous outputs for HDMI and analog RGB or HD component video
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- EDID Minder® automatically manages EDID communication between connected devices
- Power Save and standby modes
- Audio switching
- Output volume control



SPECIFICATIONS

VIDEO INPUT

Number/signal type	2 RGBHV, RGBS, RGsB, RGBcvs, component video (YUVi or YUVp/HDTV), S-video, composite video 3 HDMI digital video (HDCP compliant)
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VIDEO OUTPUT

Number/signal type	1 scaled RGBHV, RGBS, RGsB, or component video (YUVp/HDTV) 1 HDMI digital video (HDCP compliant)
DVS 605, DVS 605 A	
DVS 605 D, DVS 605 AD	1 scaled RGBHV, RGBS, RGsB, or component video (YUVp/HDTV) 1 HDMI digital video (HDCP compliant) (1) 3G-SDI or HD-SDI with genlock and loop through

Scaled resolution	640x480 ^{6,8,9} , 800x600 ^{6,8,9} , 852x480 ^{6,8,9} , 1024x768 ^{6,8,9} , 1024x852 ^{6,8,9} , 1024x1024 ^{6,8,9} , 1280x768 ^{6,8,9} , 1280x800 ^{6,8,9} , 1280x1024 ^{6,8,9} , 1360x768 ^{6,8,9} , 1365x768 ^{6,8,9} , 1365x1024 ^{6,8,9} , 1366x768 ^{1,2,3} , 1400x1050 ^{6,8} , 1440x900 ^{6,8,9} , 1600x900 ^{6,8} , 1600x1200 ^{6,8} , 1680x1050 ^{6,8} , 1920x1200 ^{6,8} HDTV 480p ^{7,8} , 576p ⁶ , 720p ^{3,4,5,6,7,8} , 1080i ^{6,7,8} , 1080p ^{1,2,3,4,5,6,7,8} , 2048x1080 ^{1,2,3,4,5,6,7,8} ¹ = at 23.98 Hz, ² = at 24 Hz, ³ = at 25 Hz, ⁴ = at 29.97 Hz, ⁵ = 30 Hz, ⁶ = at 50 Hz, ⁷ = at 59.94 Hz, ⁸ = at 60 Hz, ⁹ = at 75 Hz
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AUDIO - DVS 605 A, DVS 605 AD

Frequency response	Lineout: 20 Hz to 20 kHz, ±0.05 dB
THD + Noise	Preamp: <0.110% @ 1 kHz, 20 kHz bandwidth, at maximum output level Lineout: <0.025% @ 1 kHz, 20 kHz bandwidth, at maximum output level

S/N at maximum power output (unweighted)	Preamp: 90 dB at rated maximum output Lineout: 90 dB at rated maximum output
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AUDIO INPUT - DVS 605 A, DVS 605 AD

Number/signal type	5 stereo, balanced/unbalanced 3 stereo, de-embedded from HDMI (2-channel, PCM only)
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AUDIO OUTPUT - DVS 605 A, DVS 605 AD

Number/signal type	Stereo/mono, balanced/unbalanced
Fixed output	1 analog 1 S/PDIF digital audio 1 HDMI embedded 1 optional 3G-SDI or HD-SDI embedded
Variable output	1 analog

CONTROL/REMOTE - SCALER

Serial control port	1 bidirectional RS-232: 1 rear panel 3.5 mm captive screw connector, 5 pole (uses 3 poles)
USB control ports	1 front panel female mini USB B
Ethernet control port	1 female RJ-45 connector
Contact closure	1 rear panel 3.5 mm captive screw connector, 5 pole

GENERAL

Power supply	Internal Input: 100-240 VAC, 50-60 Hz
Cooling	Fan, air flows from left to right (as viewed from front panel)
Mounting	
Rack mount	Yes, with included brackets
Enclosure dimensions	1.75" H x 17.5" W x 10.5" D (1U high, full rack wide) (4.4 cm H x 44.4 cm W x 26.7 cm D) (Depth excludes connectors and knobs. Width excludes rack ears.)
DVS 605 D	5.1 lbs (2.3 kg)
Shipping weight	11 lbs (5 kg)

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

DVS 605

Five Input HDCP-Compliant Scaler with Seamless Switching



MODEL	VERSION DESCRIPTION	PART #
DVS 605	Standard Version.....	60-1059-01

DVS 605 A

Five Input HDCP-Compliant Scaler with Seamless Switching

- UNIQUE FEATURES
- Audio switching
 - Output volume control
 - Audio input gain and attenuation
 - Audio breakaway
 - Audio switching transitions
 - HDMI audio embedding and de-embedding



MODEL	VERSION DESCRIPTION	PART #
DVS 605 A	With Audio Switching.....	60-1059-02

DVS 605 D

Five Input HDCP-Compliant Scaler with Seamless Switching

- UNIQUE FEATURES
- 3G-SDI/HD-SDI output with genlock - supports SMPTE 292M and 424M standards



MODEL	VERSION DESCRIPTION	PART #
DVS 605 D	With 3G/HD-SDI Output.....	60-1059-03

DVS 605 AD

Five Input HDCP-Compliant Scaler with Seamless Switching

- UNIQUE FEATURES
- Audio switching
 - Output volume control
 - Audio input gain and attenuation
 - Audio breakaway
 - Audio switching transitions
 - HDMI audio embedding and de-embedding
 - 3G-SDI/HD-SDI output with genlock - supports SMPTE 292M and 424M standards



MODEL	VERSION DESCRIPTION	PART #
DVS 605 AD	With 3G/HD-SDI Out and Audio Switching	60-1059-04