

MPS 409

Media Presentation Switcher

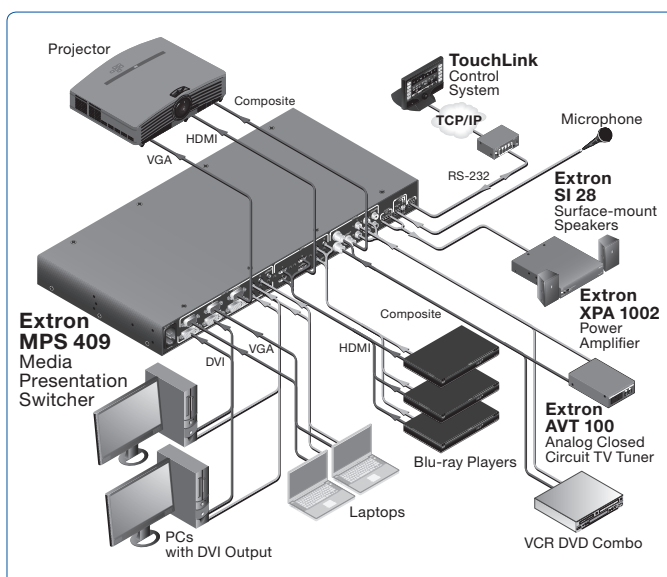


DESCRIPTION

The Extron **MPS 409** is a multi-format presentation switcher for digital and analog signals. It combines five independent switchers in a single compact enclosure: 3x1 HDMI with embedded audio, 2x1 DVI, 2x1 VGA/HDTV component video, 2x1 composite video, and 9x1 analog stereo audio. The MPS 409 features three selectable switching modes, including the ability to route all DVI and HDMI sources to the display using a single HDMI cable. Continuous EDID communications between the DVI and VGA sources and the display device ensures the reliable display of video. HDMI and DVI inputs and outputs are HDCP compliant, ensuring display of content protected media. The MPS 409 is ideal for use in single-display applications that require a hybrid switcher for integration of digital and analog video sources and associated audio signals.

FEATURES

- **Five switchers in one enclosure:**
 - 3x1 HDMI switcher
 - 2x1 DVI switcher
 - 2x1 VGA/HDTV component video switcher
 - 2x1 composite video switcher
 - 9x1 analog stereo audio switcher
- **HDMI 1.3 compatible**
- **HDCP compliant**
- **EDID Minder[®]**, available on DVI and VGA inputs, automatically manages EDID communication between connected devices
- **Combine Switcher mode** routes all DVI and HDMI sources to the HDMI output
- **Includes LockIt™** HDMI cable lacing brackets



SPECIFICATIONS

VIDEO - VGA	
Bandwidth	350 MHz (-3 dB)
Switching speed	<5 ms (max.)
VIDEO - HDMI	
Maximum data rate	6.75 Gbps (2.25 Gbps per color)
Resolution	Up to 1920x1200 or 1080p @ 60 Hz, 12 bit color
Standards	DVI 1.0, HDMI 1.3, HDCP 1.1
VIDEO - DVI	
Maximum data rate	4.95 Gbps (1.65 Gbps per color)
Resolution	Up to 1920x1200 or 1080p @ 60 Hz
Standards	DVI 1.0, HDMI 1.2, HDCP 1.1
VIDEO - COMPOSITE VIDEO	
Bandwidth	300 MHz (-3 dB)
SYNC - VGA AND COMPOSITE VIDEO GROUPS	
Input type (VGA group)	RGBHV, RGBS, RGsB, RsGsBs, bi-level and tri-level sync
Standards (composite video)	NTSC 3.58, NTSC 4.43, PAL, SECAM
AUDIO - INDIVIDUAL AUDIO GROUPS (VGA, DVI, HDMI, COMPOSITE VIDEO)	
Gain	Unbalanced output: 0 dB; balanced output: +6 dB
Frequency response	20 Hz to 20 kHz, ±0.5 dB
THD + Noise	0.01% @ 1 kHz at nominal level
AUDIO - PROGRAM AUDIO	
Program volume range	0 to 100 (-70 dB to +12 dB)
AUDIO OUTPUT - PROGRAM AUDIO	
Maximum level (Hi-Z)	>16.5 dBu balanced, >8.2 dBV unbalanced at 1% THD+N
Maximum level (600 ohm)	>10.4 dBm balanced, >7.1 dBm unbalanced at 1% THD+N
Ducking level	0 dB to 30 dB, adjustable; default = +6 dB
MICROPHONE INPUT	
Microphone volume range	-66 dB to +12 dB
Microphone DC power	+48 VDC phantom power, can be turned on or off
CONTROL/REMOTE - SWITCHER	
Serial control port	1 RS-232, 3.5 mm captive screw connector, 3-pole, rear panel
GENERAL	
Power supply	Internal Input: 100-240 VAC, 50-60 Hz
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	Rack mount Yes, with included brackets
Enclosure type	Metal
Enclosure dimensions	1.75" H x 17.4" W x 8.5" D (1U high, full rack wide) 4.4 cm H x 43.2 cm W x 21.6 cm D (Depth excludes connectors and knobs. Width excludes brackets.)
Product weight	7.0 lbs (3.2 kg)

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

MODEL

MPS 409

VERSION DESCRIPTION

HDMI, DVI, VGA, Video & Audio Switcher

PART #

60-1012-01