

4x2 4K60 UHD Quad/PIp/PoP Multiviewer Seamless Video Matrix Switcher

SVHP412 4K

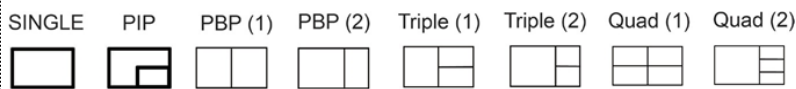
4K/60 UHD (4:4:4) | HDCP 2.2 Compatible

The Solvision SVHP412 4x2 Multiviewer Seamless UHD Video Matrix Switcher was developed for the purpose of supporting higher output resolution (4K@60) for multiple sources on (2) screens. It can accept (4) HDMI input digital sources and combine (4) video signals onto (2) HDMI UHD or HD monitors independently. The user can manage each input, and create combinations of the four inputs on (2) displays, as well as adjust the position of any input. This product supports (8) display modes, within the mode range, users can freely switch 4-channel HD input signals. It can realize single screen display and multiview display on a single screen. This product supports full range of input video resolutions up to 4K@60 (RB) and audio RCA /Optical de-embedding supported for external audio distribution systems. This matrix switcher can be controlled via front panel buttons, IR remote, RS-232 commands. .



The switcher supports (8) categories of multiview display modes: SINGLE, PIP, PBP (1), PBP (2), Triple(1), Triple (2), Quad (1), Quad (2)

Users can select different operations for different Multiview modes as following:



Specifications

Technical	
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2 / 1.x
Video Bandwidth	18Gbps
Video Resolution	Up to 4K2K@60 4:4:4
IR Level	5Vp-p
IR Frequency	38KHz
Color Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0
Color Depth	8/10/12-bit
	HDMI audio: PCM2.0/5.1/7.1CH, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio
Audio Formats	Analog audio [3.5mm L/R]: PCM2.0
	Optical fiber audio: PCM2.0/5.1/7.1CH, Dolby Digital/plus, DTS 5.1
ESD Protection	Human body model — ±8kV (Air-gap discharge) & ±4kV (Contact discharge)
Connection	
Input ports	4 x HDMI IN [Type A, 19-pin female]
	2 x HDMI OUT [Type A, 19-pin female] 2 x L/R OUTPUT [RCA]
Output ports	2 x OPTICAL OUTPUT [S/PDIF]
Control ports	1 x RS-232 [3pin-3.81mm phoenix connector] 1 x IR EXT [3.5mm Stereo Mini-jack]
Mechanical	
Housing	Metal Enclosure
Dimensions	270mm [W] x 130mm [D] x 30mm [H]
Weight	906g
Power Supply	Input: AC 100 - 240V 50/60Hz Output: DC 12V/2.5A (US/EU standard, CE/FCC/ROHS certified)
Power Consumption	15.72W (Max)
Operating Temperature	32 - 104°F / 0 - 40°C
Storage Temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no-condensing)



CONNECTIVITY AND QUALITY

This device supports a wide range of input resolutions up to 4096x2160p 60Hz. It also could de-embed audio from any of the sources in different formats for your external audio system. Supported audio formats are LPCM, AC3, DD+, DTS, DTS- HD. User can control the volume of audio in LPCM format.

Features

- HDMI 2.0b, HDCP 2.2 and HDCP 1.x compliant
- 18Gbps uncompressed Bandwidth, input and output resolution up to 4K2K@60 4:4:4
- HDMI audio formats support LPCM, DD+, DTS, Dolby TrueHD, DTS HD-master pass-through
- Seamless switching between input channels
- Combined multiple images independent layouts to display on (2) UHD TVs
- Up to (8) display modes: Single, PIP, PBP(1), PBP(2), Triple(1), Triple(2), Quad(1), Quad(2)
- Audio de-embedding via analog and optical fiber audio ports
- Control via front panel buttons, IR remote, RS-232 commands
- Each output port supports Scaler function
- Support independent audio selection
- Advanced EDID management
- Compact design for easy and flexible installation

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