

CR-SWB41

HDMI Multiviewer Seamless UHD Video Switcher



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Product overview

The CR-SWB41 4K60 4x1 Multiviewer Seamless UHD Video Switcher was developed for the purpose of supporting higher output resolution (4K@60) for multiple sources on a single screen. It can combine up to four video signals onto a single UHD or HD display. The user can easily manage each input via the supplied Control Software and create any layout and position of any of the four inputs on a single monitor. It supports full range of input video resolutions up to 4K@60 (RB) and audio RCA /Optical de-embedding supported for external audio distribution systems.

It can be controlled via front panel buttons, IR remote, RS-232 commands.

Features

- HDMI 2.0b, HDCP 2.2 and HDCP 1.x compliant
- Support 18Gbps video bandwidth
- Input and output resolutions support up to 4K@60Hz
- Support LPCM, AC3, DD+, DTS, DTS-HD, up to 7.1 audio channel
- Seamless switching between input channels and combined multiple images on single UHD monitor
- Up to 8 display modes: SINGLE, PIP, PBP (1), PBP (2), Triple (1), Triple (2), Quad (1), Quad (2)
- Seamless switching on single screen display mode
- Fast switching on multiview display mode
- Audio de-embedding via analog and optical fiber audio ports
- Support volume control and independent audio selection
- Support OSD navigation for advanced setting
- Support EDID management
- Control via front panel buttons, IR remote, RS-232 commands
- Compact design for easy and flexible installation

Specifications

The parameter name	CR-SWB41
HDMI version	HDMI2.0b
HDCP version	HDCP 2.2
Video bandwidth	18Gbps
Video resolution	Up to 4K2K@50/60Hz
Video color space	RGB, YCbCr4:4:4, YCbCr4:2:2, YCbCr 4:2:0
HDMI audio format (Pass-through)	HDMI: PCM2.0/5.1/7.1CH, Dolby Digital/Plus, DTS, DTS High Res; Analog audio [3.5mm L/R]: PCM2.0; SPDIF (OPTICAL): Dolby Digital, DTS 5.1, PCM2.0. Note: It does not support HBR audio.
ESD Protection	Human-body Model: ±8kV (Air-gap discharge), ±4kV (Contact discharge)
Input interface	4 x HDMI IN [Type A, 19-pin female]
Output interface	1 x HDMI OUT [Type A, 19-pin female]; 1 x L/R OUTPUT [RCA]; 1 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]
Cover	Black metal
Size	220mm [W] x 100mm [D] x 30mm [H]
Weight	620g
Power supply	Input: AC 100 - 240V 50/60Hz; Output: DC 12V/2.5A (US/EU standard, CE/FCC/UL certified)
Power consumption	10W (Max)
Working temperature and humidity	0 - 40°C / 32 - 104°F; 20~90% RH (non-condensing)
Storage temperature and humidity	-20°C ~ 60°C / -4°F ~ 140°F; 20~90% RH (non-condensing)

System connection diagram

