

SD-MV-CMU51

4K 5x1 Multiviewer with USB Capture Streaming



Overview

SDC-MV-CMU51 is a 4K@60Hz multiviewer designed to display multiple video inputs on a single screen and USB capture & streaming simultaneously. It features with 4 HDMI 2.0 and 1 USB Type-C inputs, along with 1 HDMI 2.0 output, 1 3.5mm audio and USB 2.0 capture. The resolution of both inputs and outputs supports up to 4K@60Hz 4:4:4 with a bandwidth up to 18Gbps. The unit accommodates up to 8 predefined layouts including full-screen viewing with seamless switching and side-by-side split viewing, which simplifies the system management. Control of SDC-MV-CMU51 is also quick and easy, which allows operating via front panel push buttons, IR remote control and RS232 commands.

Overall, SD-MV-CMU51 is highly flexible and capable of seamless switching, making it ideal for applications such as broadcasting, security, boardrooms, TV studios, and more.

Key Features

- Support 4 HDMI 2.0 input and 1 USB Type-C input
- Support 1 HDMI 2.0 output
- Support 1 3.5mm jack for audio
- Support 1 USB 2.0 for video capture/streaming
- Support up to 3840x2160@60Hz for both input and output
- Support 8 predefined layouts
- Support seamless switching on single window layout
- Auto scaler on each input
- Support audio embedding and de-embedding
- Support multiple control methods, including front panel buttons, IR remote and the RS232 control
- Support USB upgrading



Specifications

Video Input Interface	4x HDMI 2.0 and 1x USB Type-C	
Video Input Resolution	HDMI 2.0: Up to 3840x2160@60Hz USB-C: Up to 3840x2160@30Hz	
Video Output Interface	1x HDMI 2.0	
Video Output Resolution	HDMI 2.0: Up to 3840x2160@60Hz UVC (USB 2.0): Up to 1920x1080@60	
Audio Input Interface	4x HDMI and 1x USB Type-C	
Audio Input Signal	RAW PCM, 16bit, 32/44.1/48KHz sps; PCM2.0	
Audio Output Interface	1x HDMI, 1x 3.5mm Audio and 1x USB 2.0	
Audio Output Signal	RAW PCM, 16bit, 32/44.1/48KHz sps; PCM2.0	
Front Control	IN1: Input 1 IN2: Input 2 IN3: Input 3 IN4: Input 4 IN5: Input 5	Single View
	田: Input 1 to input 4	Quad-view
IR Control	Remote control	
Serial Port Control	DB9	
Operating Temperature	0 to 45°C (32 to 113 °F)	
Storage Temperature	-20 to 70°C (-4 to 158°F)	
Humidity	10% to 90%	
Static Protection	Human body discharge mode: ±8kV (air gap discharge)/ ±4kV (contact discharge)	
Power Adapter	DC 12V 1.5A	
Power Consumption	10W (Max)	
Product Dimension	240x124x28 (mm)	
Weight	2kg	

System Diagram

