

# SD-MV-CM1602

## 4K60 16 x 2 Multiviewer



### Overview

This SD-MV-CM1602 4K60 16x2 Multiviewer UHD Video Switcher was developed for the purpose of supporting higher output resolution (4K@60) for multiple sources on a single screen.

The SD-MV-CM1602 is a 4K60 multiviewer with 16 inputs and 2 outputs. It can display up to sixteen video inputs on two display devices with customised layouts at the same time. It supports seamless signal switching between different input sources and up to 8 preset layouts to be stored and recalled, providing flexible operation for a wide range of applications. The user can easily manage each input via the supplied Control Software and create any layout and position of any of the 16 inputs on a single monitor.

It is suitable for security monitoring, broadcasting, video conferencing, industrial production and instrument monitoring.

### Key Features

- Supports 16 video inputs and 2 simultaneous HDMI outputs.
- Eight inputs support up to 4K60; eight inputs support up to 1080P60.
- Output resolutions: 3840 x 2160P60, 3840 x 2160P30 and 1920 x 1080P60.
- Displays up to 16 input signals on a single display.
- Arbitrary segmentation layout based on a maximum 15 x 15 grid.
- Seamless input-source switching without black-screen interruption.
- Supports OSD, HDMI audio output and 3.5 mm audio separation.
- Control via buttons, remote control, RS232 and Web GUI.
- Supports custom IP address and DHCP automatic allocation.
- Up to eight preset layouts can be stored and recalled.



## Specifications

|                                 |                                                                |
|---------------------------------|----------------------------------------------------------------|
| Product Name                    | SD-MV-CM1602                                                   |
| Input Interface                 | A IN1-4 / B IN1-4: 8 x HDMI 2.0 or 4 x HDMI 2.0 and 4 x DP 1.2 |
|                                 | A IN5-8 / B IN5-8: 8 x HDMI 1.3                                |
| Input Maximum Pixel Clock       | 600MHz                                                         |
| Input Resolution                | A IN1-4 / B IN1-4: 3840 x 2160P60                              |
|                                 | A IN5-8 / B IN5-8: 1920 x 1080P60                              |
| Interface Protocol              | HDCP 2.2, HDCP 1.2                                             |
| Output Interface                | 2 x HDMI 2.0                                                   |
| Output Maximum Pixel Clock      | 600MHz                                                         |
| Output Resolution               | 3840 x 2160P60, 3840 x 2160P30, 1920 x 1080P60                 |
| Color Depth / Format            | 8bit / RGB444, YUV444, YUV422                                  |
| Audio                           | HDMI Audio Follow-On, 3.5mm Audio Separation                   |
| Control Method                  | Remote Control, Pushbutton, RS232, Web                         |
| Power Supply / Consumption      | 12V5A / 50W                                                    |
| Storage / Operating Temperature | -10~50°C / 0~50°C                                              |
| Product Size / Weight           | 440 x 200 x 60mm / 4KG                                         |
| Package Size / Weight           | 570 x 340 x 140mm / 5.7KG                                      |
| Warranty                        | 2 years                                                        |

## Models

| Models       | Input                                      |          | Output       |                      |
|--------------|--------------------------------------------|----------|--------------|----------------------|
|              | Video                                      | Audio    | Video        | Audio                |
| SD-MV-CM1602 | 8 x HDMI 2.0/4 x DP1.2<br>and 8 x HDMI 1.3 | Embedded | 2 x HDMI 2.0 | HDMI & 3.5mm<br>Jack |

## System Diagram

