

## 2/4/16/48CH HDMI Output IP Matrix Switcher



**SDMS-H02E**  
2ch HDMI Output  
(Standalone)



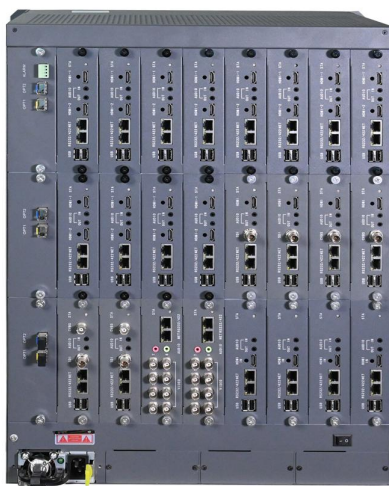
**SDMS-H04E**  
4ch HDMI Output  
(Standalone)



**SDMS-H16E**  
16ch HDMI Output  
( 8 cards slots in 4U chassis)



**SDMS-H24E**  
24ch HDMI Output  
( can be expanded to 32ch)  
(16 cards slots in 5U chassis)



**SDMS-H48E**  
48ch HDMI Output  
(24 cards slots in 13U chassis )



## Introduction

As IP products become more mainstream, several partners are looking for a video wall controller/matrix combination allowing for an easy way to display and operate IP cameras and IP PTZs.

Embedded high-definition network digital matrix is the latest high-definition network decoding product. A single chassis supports up to 48 HDMI outputs, and odd ports support 4K. It can decode and restore the compressed video data transmitted from the front-end IP cameras or software platform to high-definition digital signals and output it to the displayed devices (usually video wall). It supports various display modes such as monitor splicing by any size, splitting, video tour etc. It supports 4K, 1080P, 1080I, 720P, D1 network video input, H.264, H.265 network video decoding and up to 4K decoding and display.

## Technical Features

- Support for network media, ONVIF, RTSP data input
- Support BNC (TVI,CVI,AHD or CVBS) / HDMI/HD SDI input for optional,the HDMI input support 4K.
- Modular design, 4U chassis for 8 cards, besides it, there is 13U chassis for 24 cards, 5U chassis with 16 cards, 4ch /2ch HDMI output standalone available.
- Each decoder card supports 2ch HDMI output, every odd output support 4K resolution.
- Each Video Output can identify optimum resolution automatically, or allow the user to change the output resolution manually. Maximum supported resolution per card 3840x2160@60Hz.
- Support 4K, 1080P, 1080I, 720P, D1 video formats
- Support standard H.265 & H.264.
- Single module (means card) support 2ch 4K or 16ch 1080P or 32ch 720P decoding and display.
- Support monitor splicing by any size ,splitting, windowing etc.
- Support audio input and output, also monitoring, broadcasting and intercom functions are supported
- Support OSD, title, time can overlap on the displayed video.
- Compatible with Onvif 2.4, and RTSP protocols.

## Specification

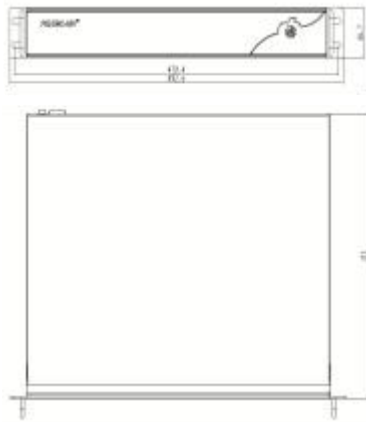
Specifications					
Model	SDMS-H02E	SDMS-H04E	SDMS-H16E	SDMS-H24E	SDMS-H48E
Description	2ch output (Standalone)	4ch output (Standalone)	16ch output ( Chassis with 8 cards)	24ch output ( can be expanded to 32ch) ( Chassis with 16 cards)	48ch output ( Chassis with 24 cards)
<b>Module Interface Parameters</b>					
HDMI Output	2ch output	4ch output	2CH per card, odd port support 4K output.		
Ethernet	100M/1000M adaptive RJ45 port				
Audio Input	1ch ,Φ3.5 earphone socket.				
Audio Output	1ch ,Φ3.5 earphone socket.				
Alarm Output	Support (rack construction).				
USB2.0	Support				
RS232	Support				
<b>Video Parameters</b>					
Network Video Decoding	H.265、 H.264;				
Network Video Input	4K、 1080P、 1080I、 720P、 D1;				
HDMI Output Resolution	1024×768P@60Hz、 1280×720P@60Hz、				
	1366×768P@60Hz、 1920×1080P@60Hz、				
	3840×2160@60Hz(Odd Port);				
Video Decode and Display	Single machine supports 2ch of 4K or 16ch of 1080P or 32ch of 720P or 64 ch of D1 decoding display.	Single machine supports 4ch of 4K or 32ch of 1080P or 64ch of 720P or 128 ch of D1 decoding display.	One module ( means one card) support 2CH of 4K or 16ch of 1080P, or 32ch of 720P, or 64ch of D1 decoding display.		
Monitor Splicing	Single machine	Single machine	Single machine supports 16	Single machine supports 24	Single machine supports 48 monitor



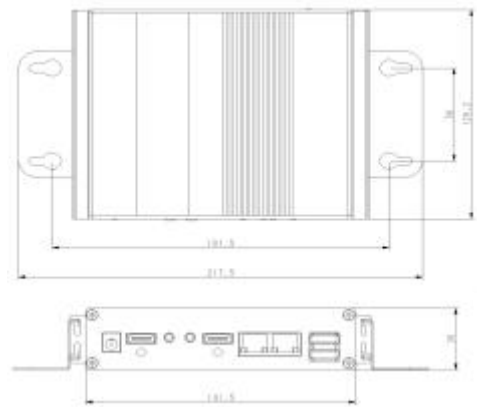
	supports 2 monitor splicing.	supports 4 monitor splicing.	monitor splicing.	monitor splicing.	splicing.
Monitor Splitting and Display	Support 4/9/16/25splitting and display				
OSD	Support English/Chinese OSD character superposition; Support information such as time, monitor No, title overlaid on the splitting windows;( Up to 6 rows can be overlaid for every splitting windows; Maximum 50 English characters per row).				
<b>Audio Parameters</b>					
Audio Codec	G.711,G.726,ADPCM Audio encode/decode.				
On/Mute	Supports all channels and single channel quick setting individually.				
Audio Input	Single machine support 1CH audio encode, it can be set to open/close audio input.	Single machine support 1CH audio encode, it can be set to open/close audio input.	One module ( means one card) support 1CH audio encode, it can be set to open/close audio input.		
Alarm Input	Support network alarm input.				
Alarm Output	Support alarm linkage actions: snapshot, record, preset, email, SMS, pop-up window on video wall etc.				
Alarm Processing	Support automatic and manual alarm handing mode.				
Power Supply	DC 12	AC 220			
Power Consumption	≤10W	≤24W	≤160W	≤288W	≤450W
Working Temperature	0 ~ 45°C				
Working Humidity	10% ~ 90%				
Dimension	217.5mm(L) ×126.2mm(W) ×36mm (H)	492.6mm(L) ×371mm(W) ×66.7mm(H) 1.5U	480mm(L) ×423.5mm(W) ×128mm(H) 3U	480mm(L) ×465mm(W) ×240mm(H) 5U	491mm(L) x 342.5mm(W) x 570.7mm(H) 13U



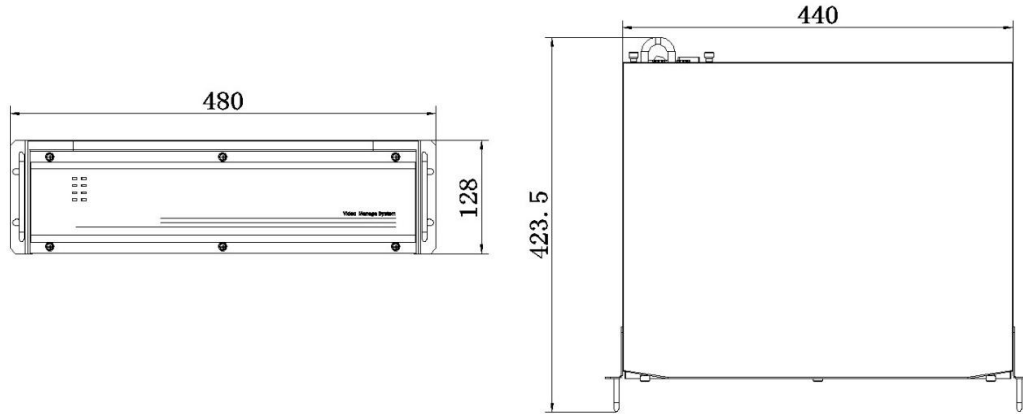
## Dimension



**SDMS-H02E**  
**(Standalone)**

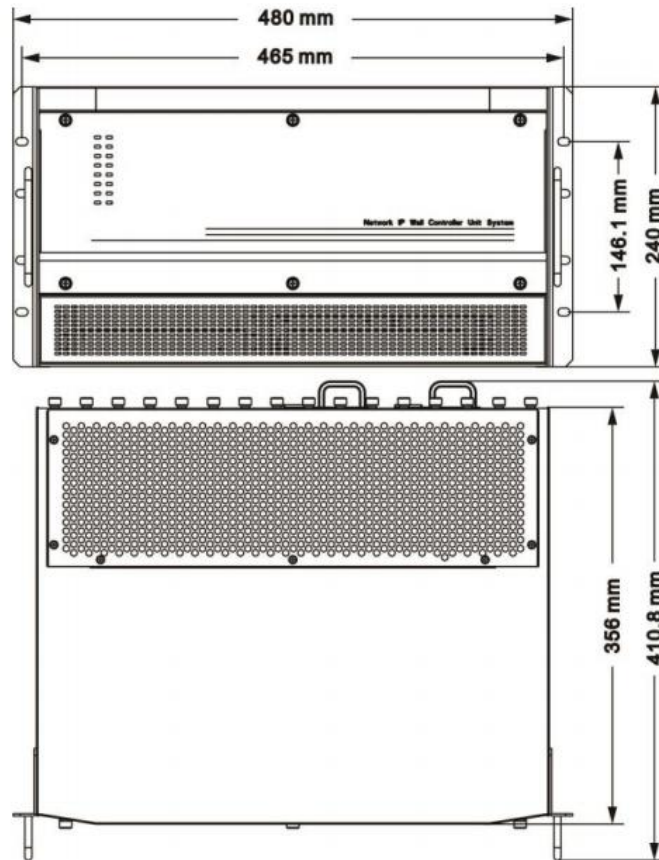


**SDMS-H04E**  
**(Standalone)**

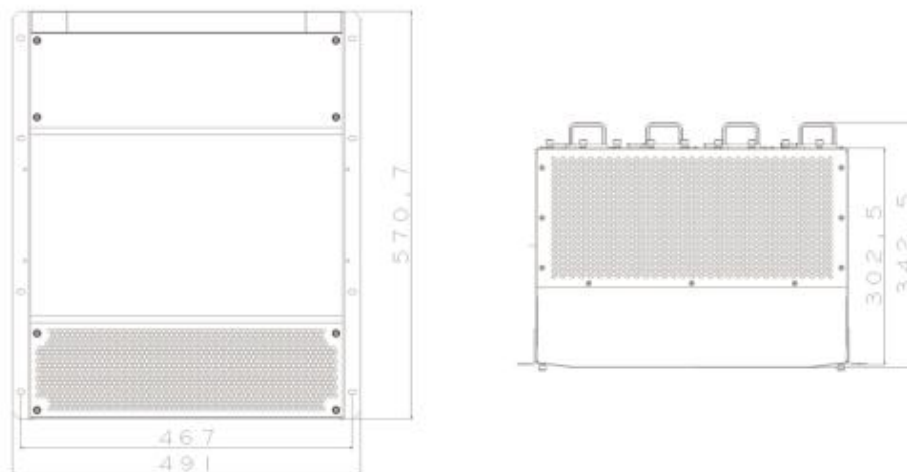


**SDMS-H16E**  
**( 8 cards slots in 4U chassis)**





**SDMS-H24E**  
(16 cards slots in 5U chassis)



**SDMS-H48E**  
(24 cards slots in 13U chassis )