

SDMS-E02 IP Matrix Switcher

2ch HDMI output @ 4ch 4K or 20ch 1080p, decoding the stream of ONVIF / H.265 / H.264 & RTSP, perfect video wall management, including split, splicing, merging, plan, cruise etc, simple operation like analogy system.



Introduction

SDMS-E02 Network matrix switcher is latest decoding matrix and IP decoder. It has 2 HDMI outputs, can decode stream of ONVIF/H.265/H.264 & RTSP with decoding capability of **4ch*4K@30fps or 20ch*1080p@30fps or 40ch*720p@30fps or 80ch*D1@30fps**. It also has perfect video wall management, including split, splicing, plan, cruise etc. Simple operation like analog system. It can take stream from other platform or device on base of protocol or SDK.

Features

- Standard H.265 / H.264 video decoding.
- Provides 2ch HDMI outputs, supports up to 2 video-wall display units or monitors.
- Up to 4K (3840*2160@60Hz) via HDMI output interface.
- Up to decoding at 4K resolution.
- Single port decoding capability up to 2ch*4K@30fps or 10ch*1080P@30fps.
- Total decoding capability: 4ch*4K@30fps or 20ch*1080p@30fps or 40ch*720p@30fps or 80ch*D1@30fps.
- Supports 4K, 1080P, 1080I, 720P, D1 video formats.
- Compatible with ONVIF and RTSP protocols.
- Supports TCP/IP/ RTSP/UDP/RTP network protocols.



- G.711, G.726, and AAC audio compression.
- Supports audio, alarm, RS232/422.
- Supports 1/4/9/16/25/36 and free split.
- Supports image zooming, video cruise, window opening, window roaming, window split and merging functions.
- Supports OSD display. Title, window number, channel number, and label can overlap on the displayed video.
- Supports remote upgrade.
- Supports multi video walls configuration and management control with PC or server installed with VMS SVMS Pro platform software.

Specification

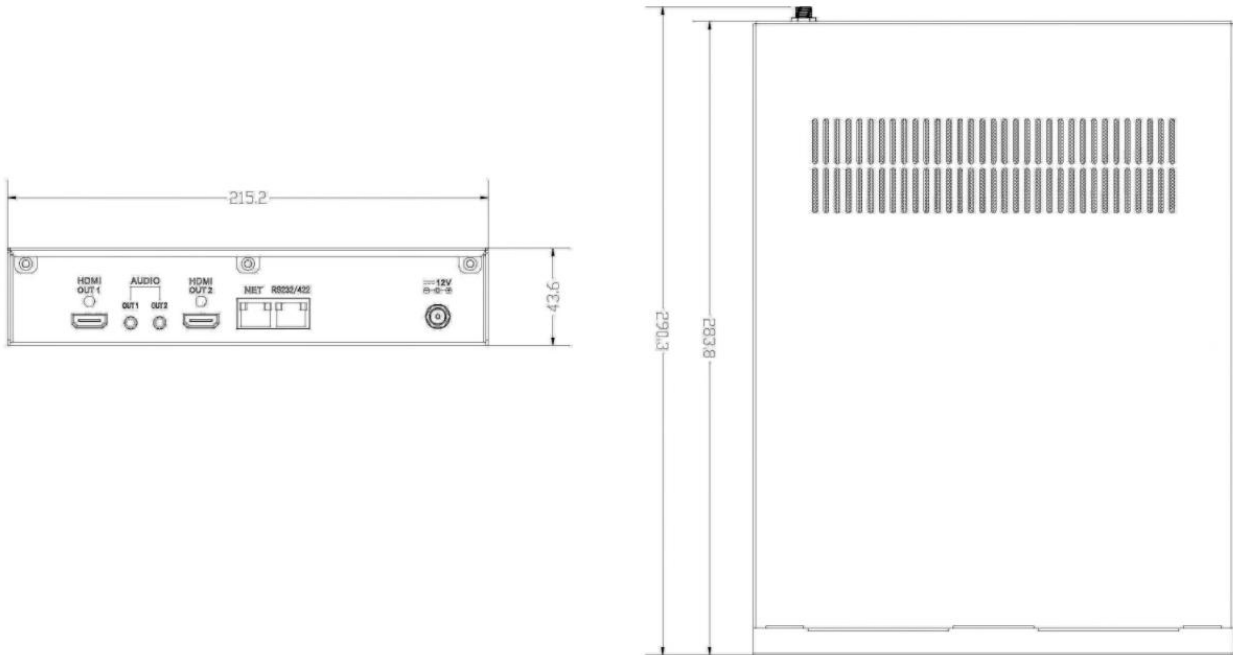
Model	SDMS-E02
Physical	
Operating System	Embedded LINUX
Output	2ch HDMI.
Input	No Physical Input.
HDMI Output Resolution	1024×768P@60Hz, 1280×720P@60Hz, 1366×768P@60Hz, 1920×1080P@60Hz, 3840×2160@30Hz, 3840×2160@60Hz.
Video	
Video Decoding Format	H.265,H.264.
Video Stream Resolution	4K,1080P,1080I,720P,D1.
Decoding Capability	4ch*4K@30fps or 20ch*1080p@30fps or 40ch*720p@30fps or 80ch*D1@30fps.
Decoding Delay	150ms maximum.
Monitor Splicing	2 monitor splicing.
Display Split	1/4/6/8/9/16/25/36, and user-defined splitting.
OSD Display	It can display OSD information, including window number, channel number, label, etc.
Audio	
Audio Codec	G.711, G.726, ACC Audio encode/decode.
On/Mute	Supports all channels and single channel quick setting individually.
Interface	



Audio Input	No physical input of audio.
Audio Output	2ch,Φ3.5 socket.
RS232/422	1ch
Ethernet	1ch, 1000Mbps adaptive RJ45 port.
Functions	
Window Opening & Roaming	Support
Video Cruise	Support
Stream Self-adaptive	It can automatically choose main stream or sub stream to output to monitors. If you don't need, you can manually turn it off.
Stream Media Forwarding	Embedded Stream media forwarding module.
Smooth Playing Function	Support smooth playing function, it can automatically adjust and optimize stream stuck or pause caused by network transmission.
Alarm Input	Support network alarm information access.
Alarm Process	Support automatic or manual alarm process.
Time Synchronization	Internal RTC, it support automatic time sync. for multiple device.
User Access	Multiple user log in and log out, maximum 72 users on-line at same time with different permissions.
System Maintenance	<ul style="list-style-type: none"> ● System log available. ● Fault detection and report. ● Support remote upgrade.
Second Development	Support, SDK available.
General	
Power Supply	DC12V
Power Consumption	9W
Working Temperature	0 ~ 50℃
Working Humidity	10% ~ 90%;
Dimension	215.2mm(W)×290.3mm (D) ×43.6mm (H)
Weight	2.2KG



Dimensions



System Application

