

SDMS-E10 IP Matrix Switcher



- 10ch HDMI output interfaces.
- Up to 3840*2160@60Hz via HDMI output interface.
- Decoding capability: 20ch*4K@30fps or 100ch*1080p@30fps.
- H.265 / H.264 video decoding.
- Supports ONVIF and RTSP protocols.
- Supports 1/4/9/16/25/36 and free split.
- Supports video cruise, window opening, window roaming, window split and merging.

Introduction

SDMS-E10 Network matrix switcher is latest decoding matrix and IP decoder. It has 10 HDMI output, can decode the stream of ONVIF/H.265/H.264 & RTSP with decoding capability of **20ch 4K or 100ch 1080p or 200ch 720p or 400ch D1**. 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 10ch HDMI outputs, supports up to 10 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: 20ch*4K@30fps or 100ch*1080p@30fps or 200ch*720p@30fps or 400ch*D1@30fps.
- Supports 4K, 1080P, 1080I, 720P, D1 video formats.
- Supports multiple protocols, such as ONVIF, RTSP etc.
- Supports TCP/IP/ RTSP/UDP/RTP network protocols.
- G.711, G.726, and AAC audio compression.
- Supports audio, alarm, RS232.
- 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.
- Standard 1U chassis.
- Supports multi video walls configuration and management control with PC or server installed with VMS SVMS Pro platform software.

Specification

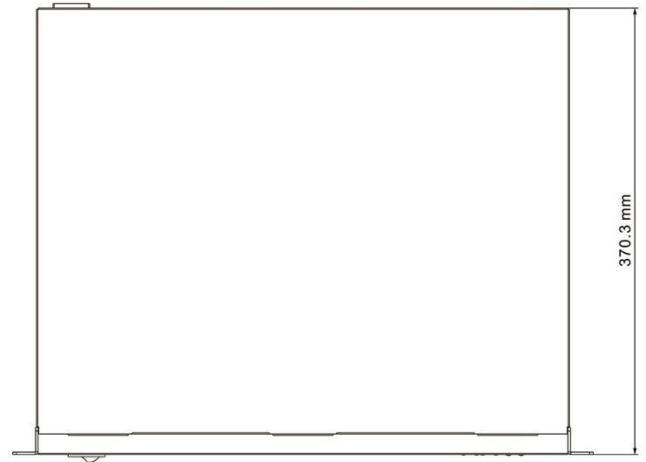
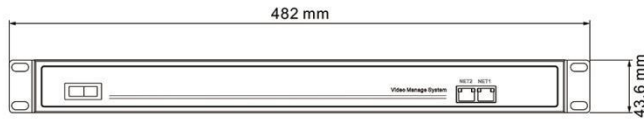
Model	SDMS-E10
Physical	
Operating System	Embedded LINUX
Output	10ch HDMI.
HDMI Output Resolution	1024×768P@60Hz, 1280×720P@60Hz, 1366×768P@60Hz, 1920×1080P@60Hz, 3840×2160@30Hz, 3840×2160@60Hz.
Video	
Video Decoding Format	H.265,H.264.
Video Stream Resolution	4K,1080P,1080I,720P,D1
Decoding Capability	20ch*4K@30fps or 100ch*1080p@30fps or 200ch*720p@30fps or 400ch*D1@30fps.
Decoding Delay	150ms maximum.
Monitor Splicing	10 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	10ch,Φ3.5 earphone socket.
RS232	1ch
Ethernet	2ch, 1000Mbps self-adaptive RJ45 network port, 1 master and 1 slave. This slave network port is only used for video source stream requests.
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	AC100V~230V
Power Consumption	40W
Working Temperature	0 ~ 50°C
Working Humidity	10% ~ 90%;
Dimension	482mm(W) × 370.3mm(D) × 43.6mm(H)
Weight	4.1KG



Dimensions



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System Application

