

SDMS-E24-M Decoding Matrix For CCTV Security IP Cameras



- 19" standard 5U ATCA industry box
- Easy and flexible configuration with pluggable card module design.
- Up to 24ch HDMI output interfaces.
- Up to 3840*2160@60Hz via HDMI output interface.
- Decoding capability: up to 48ch*4K@30fps or 240ch*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-E24-M Network matrix switcher is latest decoding matrix and IP decoder. It uses 19" standard 5U ATCA industry box with pluggable card module design. It has up to 24ch HDMI outputs, up to 3840*2160@60Hz via HDMI output interface. It supports H.265/H.264 video decoding with decoding capability of up to 48ch*4K@30fps or 240ch*1080p@30fps or 480ch*720p@30fps or 960ch*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

- 19" standard 5U ATCA industry box.
- Easy and flexible configuration with pluggable card module design.
- Standard H.265 / H.264 video decoding.
- Provides up to 24ch HDMI outputs, supports up to 24 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: up to 48ch*4K@30fps or 240ch*1080p@30fps or 480ch*720p@30fps or 960ch*D1@30fps (full configured).
- 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.
- 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-E24-M |
|-------------------------|---|
| Physical | |
| Operating System | Embedded LINUX |
| Slot | 12 slots. Each slot supports 2 HDMI outputs, or 1 HDMI output and 1 HDMI input. |
| Output | Up to 24ch HDMI (full configured). Note: when 24ch HDMI outputs are configured, there is no input. |
| HDMI Output Resolution | 1024×768P@60Hz, 1280×720P@60Hz, 1366×768P@60Hz, 1920×1080P@60Hz, 3840×2160@30Hz, 3840×2160@60Hz. |
| Input | Optional. Up to 12 HDMI inputs (full configured). Note: when it has 12 HDMI inputs, only 12 HDMI outputs can be configured. |
| HDMI Input Resolution | Up to 3840*2160@30Hz via HDMI input interface, downward compatibility. |
| Video | |
| Video Decoding Format | H.265,H.264 |
| Video Stream Resolution | 4K,1080P,1080I,720P,D1 |
| Decoding Capability | Up to 48ch*4K@30fps or 240ch*1080p@30fps or 480ch*720p@30fps or 960ch*D1@30fps (full configured). |
| Decoding Delay | 150ms maximum. |
| Monitor Splicing | Up to 24 monitor splicing. |
| Display Split | 1/4/6/8/9/16/25/36, and user-defined splitting. |



SDMS-E24-M Decoding Matrix

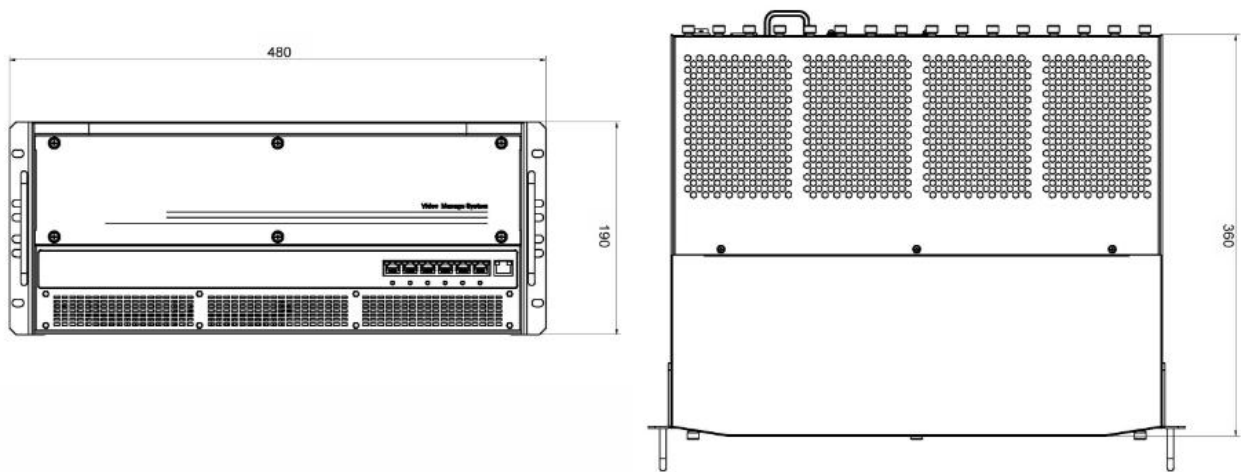


| | |
|--------------------------|--|
| OSD Display | It can display OSD information, including window number, channel number, label, etc. |
| Audio | |
| Audio Codec | G.711, G.726, ACC Audio encode/decode. |
| On/Mute | Supports all channels and single channel quick setting individually. |
| Interface | |
| Audio Input | No physical input of audio. |
| Audio Output | 24ch, Φ3.5 earphone socket. |
| RS232 | 1ch |
| Ethernet | 6ch, 1000Mbps self-adaptive RJ45 network port, 1 master and 5 slave network ports. The slave network ports are 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 | 190W |
| Working Temperature | 0 ~ 50℃ |



| | |
|-------------------------------------|--|
| Working Humidity | 10% ~ 90%. |
| Dimension | 480mm(W) × 360mm(D) × 190mm(H). |
| Dual Power Supply Module (Optional) | The system can be configured with 350W power supply module, which supports dual power supply. (Note:This device provides single power supply by default. If you need dual power supply, please contact your sales manager. The hot standby power supply module needs to be purchased separately). |

Dimensions



System Application



Note: The default input modular / interface is HDMI interface. It can be HD SDI, or BNC. Please contact your sales manager for OEM or ODM issues.