

H.264/H.265 4K60 AV over IP with KVM and RS-232

SV-E9300AV

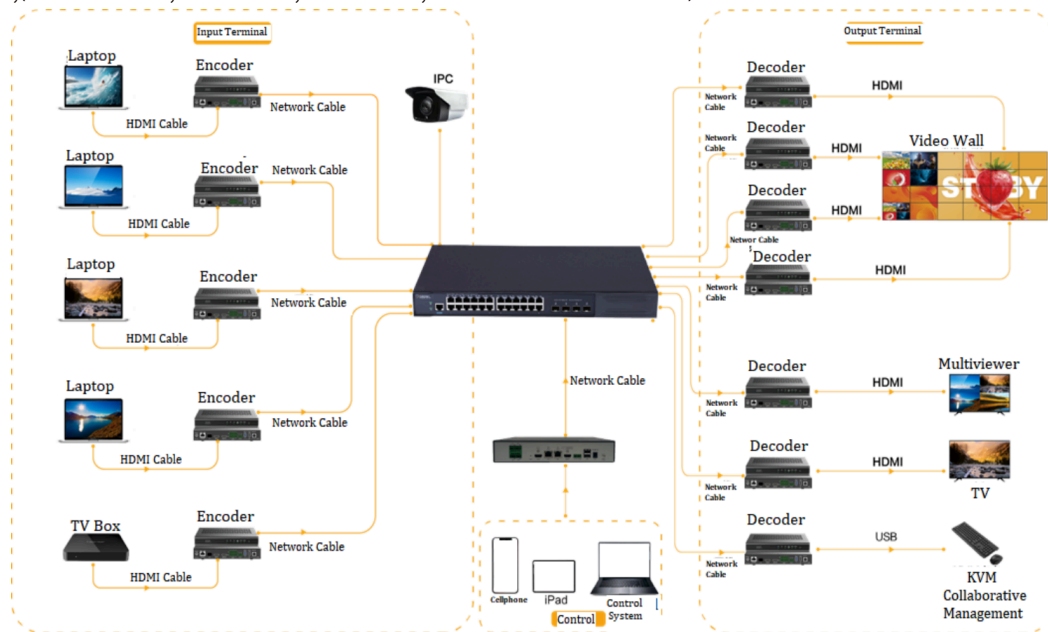
4K/60 UHD (4:4:4) | HDCP 2.2 Compatible

The Solvision SV-E9300AV An IP-based distributed digital video processing system offers a cutting-edge solution for digital audio and video management. Utilizing advanced technologies such as audio and video processing, networking, visualization, centralized control, and full-network distribution, this system delivers ultra-high-quality audio and video with ultra-low latency over a standard 1G copper or fibre network switch. It features seamless switching, video wall capabilities, and MultiView functions. The system's flexible transceiver design allows a single unit to function as an encoder or decoder, simplifying installation and inventory management. Designed to create a high-performance, reliable, and user-friendly visualization application platform, it supports distributed interconnection. It integrates comprehensive audio/video management, matrix switching, splicing and blending, window roaming, KVM collaborative control, POE power supply, and big data applications. This makes it ideal for delivering a powerful and versatile visualization information solution.



Features

- Standard H.265/264 Encoding/Decoding, 100M/1G managed network switch
- HDMI 2.0b, HDCP 2.2 compliant, up to 4K@60Hz (4:4:4) 18Gbps
- Encoder/Decoder one box design Copper and Fiber full version
- Supports HDMI loop-out
- Support audio embedding and extracting
- Seamless switching, Matrix, Video Wall and Multi-View (Video wall, which is more decoder, multi-viewer, is more Encoder required)
- Main stream, Sub stream and Preview stream 3 streams on Encoder
- Up to 16 streams can be subscribed to on Decoder. 16 picture layers overlay
- Support USB KVM and RS-232
- KVM and mouse roaming, shortcut key control via keyboard, seat management of multiple computers
- Low latency, 1080P60 1~2 frames, 4K60 2~3 frames
- Text overlay
- J1TC compliant and designed to function in the most secure environments.
- LPCM HDMI audio only
- Standard POE supported (802.3at PD device)
- Support IR, RS-232, TCP/IP, Web GUI control
- Security management
- Work with IP Controller box SV-CTL500AV
- Safety:-CE,FCC,RoHS,(ISO9001:2015,14001:2015,45001:2018, 27001:2022 -IAF Certified)



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Specifications

Technical	
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2
Video CompressionStandard	H.264/H.265
Video Bandwidth	18Gbps
Network Port	1000M Base-T (supporting POE)
Network Video Bandwidth	1G
Video Resolution	1024x768~3840x2160@60Hz (Note: The decoder supports custom resolution output.)
Color Space	RGB, YCbCr 4:4:4/4:2:2/4:2:0
Color Depth	8/10/12 bit
Encoding Sampling Rate	48KHz
HDMI Audio Formats	LPCM
Analog Audio Formats	Left and Right stereo analog audio
ESD Protection	Human body model: ±8kV (air-gap discharge) & ±4kV (contact discharge)
Connections	
Input	1x HDMI IN [Type A, 19-pin female]2x AUDIO IN [3-pin phoenix connector, stereo balanced linear interface]
Output	1x HDMI OUT [Type A,19-pin female]2x AUDIO OUT [3-pin phoenix connector, stereo balanced linear interface]
Control	1x LAN (POE) [RJ45, supporting POE]1x RS-232 [3-pin phoenix connector]1x USB HOST [Type B, 4-pin female]2x USB DEVICE [Type A, 4-pin female]1x SFP [Fiber slot]
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	204mm (W) × 131.5mm (D) × 30mm (H)
Weight	760g
Power Supply	Input: AC 100 - 240V 50/60HzOutput: DC 12V/2.5A (US/EU standards, CE/FCC/UL certified)
Power Consumption	<10.5W
Operation Temperature	32°F - 104°F / 0°C - 40°C
Storage temperature	-4°F - 140°F / -20°C - 60°C
Relative Humidity	20 - 90% RH (no condensation)

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