

AVMATRIX

SE2017

HDMI & SDI ENCODER & RECORDER

The all-new, all-powerful SE2017 HD audio and video encoder integrates USB and SD card recording, network streaming, and USB capture functions.



Multi-platform Live Streaming



USB Disk & SD Card Recording



Audio and Video Capture via USB-C



OBS Studio



Skype

zoom



VLC
MEDIA PLAYER



vMix



Teams

Buttons Operation & OLED Display



Power-over-Ethernet



SDI/HDMI In & Out





Excellent Recording

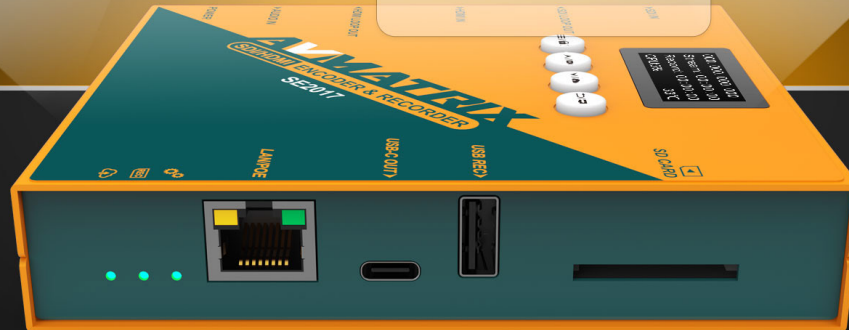
Via USB disk and SD card

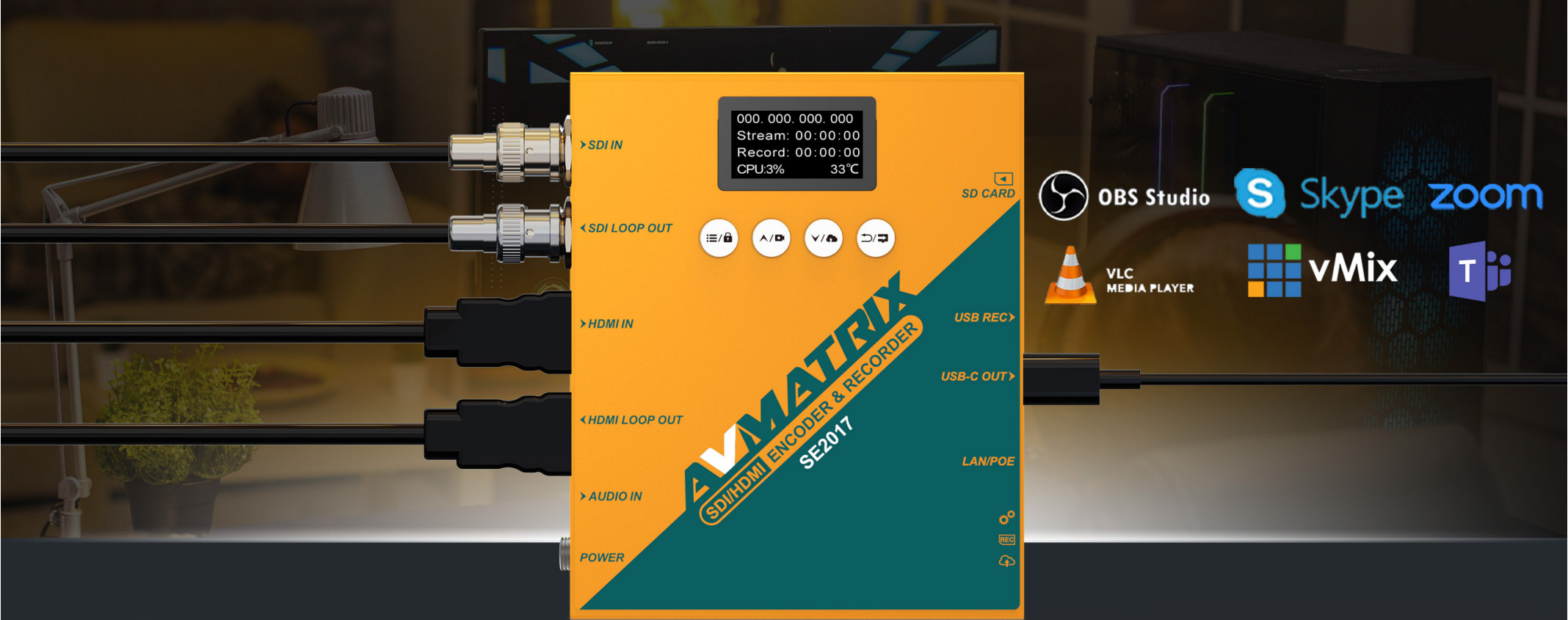
Experience exceptional recording flexibility with this encoder's integrated recorder. Record professional-grade video (up to 1080p60Hz, 32Mbps) onto USB Disk or SD card, eliminating the need for an external setup.

Multi-platform Live Streaming

The encoder supports multiple streaming protocols

This encoder adapts to your needs with support for multiple streaming protocols: RTSP, RTMP(S), SRT, HTTP-FLV, unicast, and multicast. Reach your audience on popular platforms like YouTube, Skype, Facebook, and Twitch with ease—and enjoy better quality with simpler settings. Share your content with up to 3 platforms simultaneously, using both main and sub-streams.





High Quality Video Capture

Built in USB Type-C output

The encoder has a USB-C output which works as a webcam for capturing video and audio. No driver required, simply connect to a windows 7/8/10/11/ Linux computer or a Macbook to release live stream to various platforms such as Twitch, YouTube, Facebook, Zoom, etc.

SDI/HDMI Input and Loopout

Capture high-definition audio and video from both SDI and HDMI sources (1 channel each) simultaneously, while mirroring the captured content to another monitor via the SDI and HDMI loopout outputs (1 channel each). This convenient feature allows you to seamlessly monitor your recording progress or share the live feed with others.

There are an external 3.5mm audio available for mixing in your live streaming. It can capture the external audio from equipments like audio mixer, audio media player, etc.





Power-over-Ethernet

The encoder boasts versatile power options, supporting both Power over Ethernet (POE) and traditional DC power supply. This dual capability empowers users with flexibility and convenience, allowing them to choose the most suitable power source based on their specific requirements.

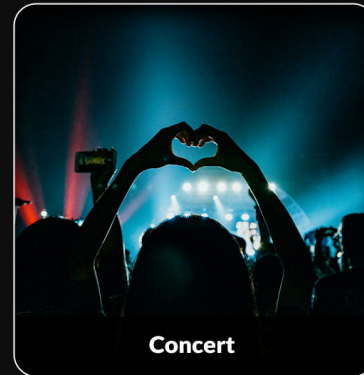
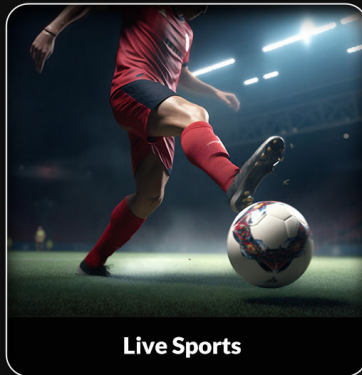


Effortless Operation, Swift Control

Feature a operation button that allows you to quickly and easily access the desired functions. The built-in OLED display provides real-time status information. And the clear web interface lets you customize a variety of function settings to meet your needs.

Widespread Application

The encoder can be widely used in various field events, such as live sports, virtual studio, education, internet, concert, and so on.



Specifications

CONNECTIONS

Video Input	HDMI Type A ×1, SDI ×1
Video Loop Out	HDMI Type A ×1, SDI ×1
Analog Audio In	3.5mm (line in)×1
Network	RJ-45×1 (100/1000Mbps self-adaptive Ethernet)

RECORD

REC SD Card Format	FAT32/ exFAT/ NTFS
REC USB Disk Format	FAT32/ exFAT/ NTFS
REC File Segment	1/ 5/ 10/ 20/ 30 / 60/ 90/ 120mins
Recording Storage	SD Card/ USB Disk

FORMAT

HDMI In Format Support	1080p 60/ 59.94/ 50/ 30 /29.97 /25 /24 /23.98
	1080i 50/ 59.94 /60,
	720p 60/ 59.94 /50 /30 /29.97 /25 /24 /23.98
	576i 50, 576p 50, 480p 59.94/ 60, 480i 59.94/ 60
SDI In Format Support	1080p 60/ 59.94/ 50/ 30/ 29.97/ 25/ 24/ 23.98
	1080i 50/ 59.94/ 60
	720p 60/ 59.94/ 50/ 30/ 29.97/ 25/ 24/ 23.98
	525i59.94, 625i50
USB Capture Out	Up to 1080p 60Hz
Video Encoding Bitrate	2/ 4/ 8/ 12/ 16/ 24/ 32Mbps
Audio Coding	ACC
Audio Encoding Bitrate	64/ 128/ 256/ 320Kbps
Encoding Resolution	Main Stream: 1920×1080, 1280×720, 720×480
	Sub Stream: 1280×720, 720×480
Encoding Frame Rate	24/ 25/ 30/ 50/ 60fps

PROTOCOL

Network Protocols	RTSP, RTMP, SRT
Configuration Management	Web configuration, Remote upgrade

OTHERS

Power	DC 12V 0.38A, 4.5W
Temperature	Working : -20℃~60℃, Storage : -30℃~70℃
Dimension (LWVD)	104×125.5×24.5mm
Weight	Net weight: 550g, Gross weight: 905g
Accessories	Standard: 12V 2A power supply, Optional: Bracket

