AVMATRIX

SHARK H4

4-CH HDMI STREAMING VIDEO SWITCHER

Revolutionize your live streaming with the Video Switcher,
the all-in-one solution for live streamers.



Stream via Ethernet



USB Capture



SD Card & USB Record



PIP/POP



Configurable Output



Transitions



Media Management



Audio Mixer



USK & DSK



Configurable Output

With the four auto-detected inputs and three scaling outputs, the video switcher is quite flexible to connect with a variety of devices and signals. Besides, all the three outputs can be configured to IN1-4, PVW, PGM, Clean PGM, Color Bar and Multiview out to meet your various application needs.




Live Stream via Ethernet
The LAN port supports IP streaming transmission through the RTMP, SRT protocol, allowing users to easily live stream video programs to platforms such as YouTube, Skype, Facebook, and Twitch, and get high-quality videos.
USB REC
LAN
TALLY
DC 12V IN

USB Capture For Streaming

The USB type-C can be used as a webcam to capture video & audio and stream to various softwares & platforms, such as OBS, vMIX, ZOOM, Teams, Skype and VLC. It is compatible with Windows, Linux, and Mac.



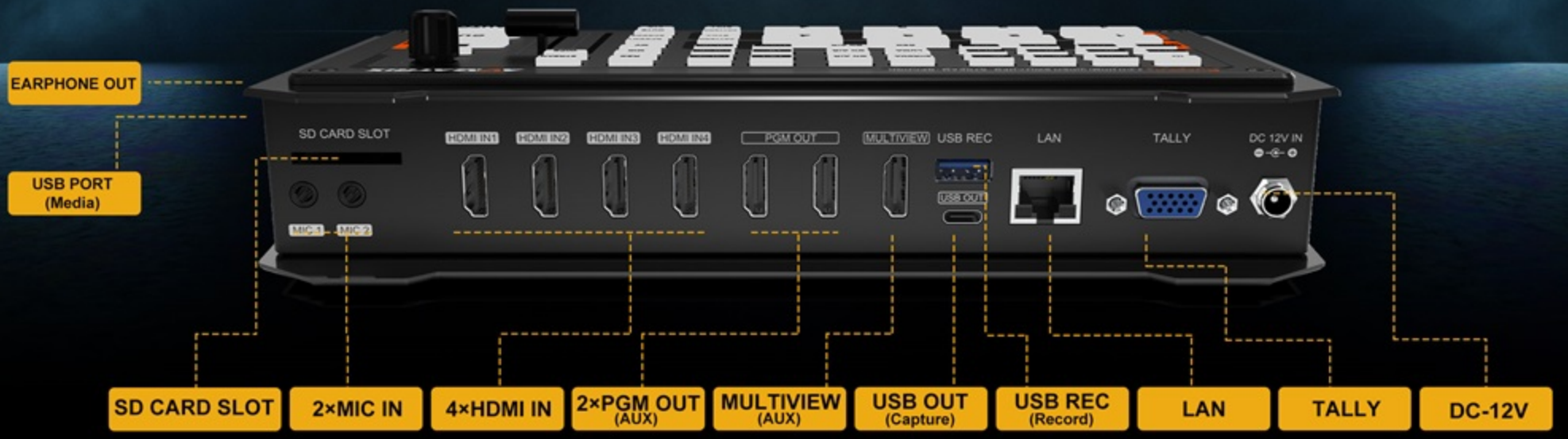
USB and SD Card Recording

SD card and USB interface enable direct recording of PGM signal, making it easy to record high-quality videos.
Bitrate of encode up to 32Mbps, and the supported file formats are MP4/TS.



Rich Interface

Compact design with a variety of interfaces, including HDMI inputs, PGM outputs, multiview output, audio inputs, streaming interfaces, and recording ports. The hidden interfaces protect them from damage.



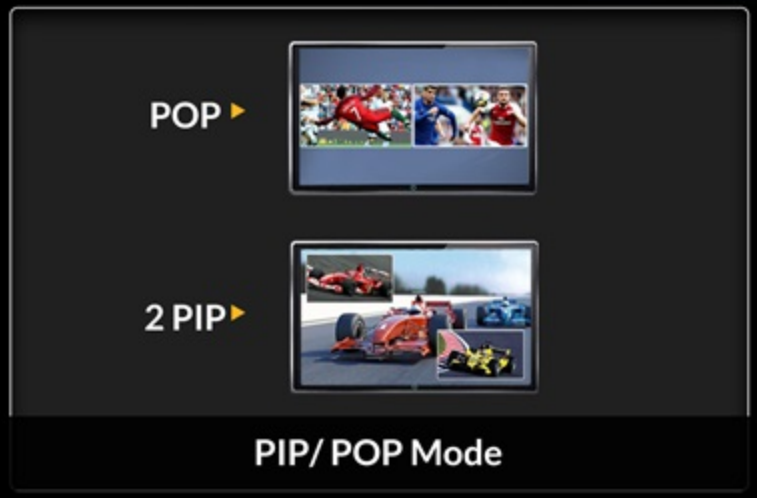
Media Management

Ignite your creativity with the built-in media library, which provides a wealth of content for your productions, including 39 default patterns, 16 imported images, 16 captured images, and 2 color generators. You can easily import and manage images via USB to personalize your productions.

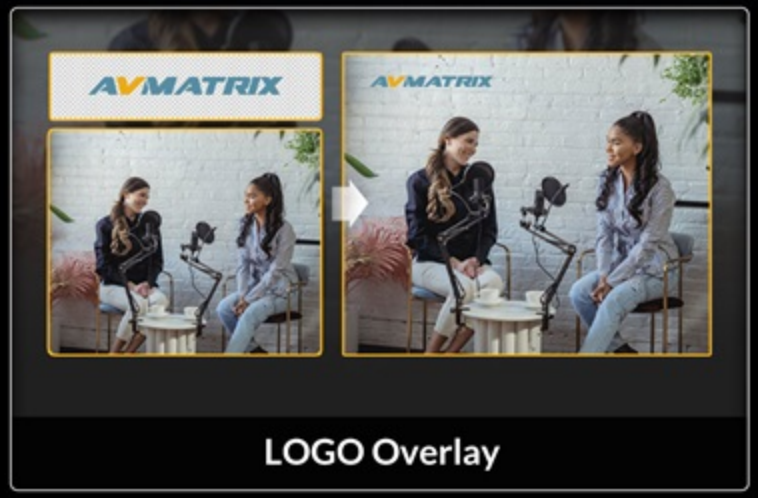








PIP/ POP Mode



LOGO Overlay



Transition Effects



PC Control

Widespread Application

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


Broadcast


Education



Conference


Self Media/Vlog


Live Sports


Church


Concert


Wedding

Professional Audio Mixer

The switcher's integrated audio mixer enhances the audio effect of your productions by combining two external MIC inputs and 4 input embedded audio. Users can also set the AFV and utilize the audio delay feature to ensure the audio-video synchronization.



Specifications

CONNECTION	Display	-
	Video Input	HDMI×4
	Video Output	HDMI PGM × 2, HDMI Multiview × 1, LAN × 1 (RJ45 Stream), USB type-C × 1(Capture)
	Other Interface	USB-A × 1 & SD Card × 1(Record), USB-A × 1(Image import and upgrade), Tally ×1 DB-15 GPIO)
	Audio	Inputs: MIC/ Line × 2(3.5mm stereo audio), Outputs: Earphone Slot x 1(3.5mm stereo audio)
STREAM & RECORD	Encoding Bitrate	2/ 4/ 8/ 12/ 16/ 24/ 32Mbps, Support CBR/ VBR
	Stream Protocols	RTMP/ RTMPS/ SRT
	Storage Format	USB/ SD card, Support FAT32/ exFAT/ NTFS
	Recrod File Format	MP4, TS
	Recrod File Segment	1/ 5/ 10/ 20/ 30/ 60/ 90/ 120mins
FUNCTION	Transitions	T-Bar/ AUTO/ CUT
	Effects	WIPE(11×3 patterns)/ MIX/ DIP/ STILL(freeze)/ PATTERN/ MUTE/ FTB
	Layouts	2 styles of Multiview layout(Landscape and Portrait)
	Keys	Upstream Key: Luma Key × 1/ Chroma Key × 1/ PIP × 2/ POP； Downstream Key: DSK × 1/ Logo × 1
	Media Format	Default image: 39 preset patterns， Local image: Up to 16 imported images， Capture image: Up to 16 captured images
	Generators	Pattern Generator × 1， Color Generators × 2
	Audio Mixer	Video Input × 4 and MIC/ Line × 2
	Audio delay	0-500ms
STANDARD	Input Format Support	Multi-format Auto Signal Detection, Up to 1080p 60
	Color Space	HDMI: RGB/ YUV, SDI: YUV
	HDMI PGM/ MV Out	1080p 60/ 59.94/ 50/ 48/ 47.95/ 30/ 29.97/ 25/ 24/ 23.98, 1080i 60/59.94/50
	USB Capture Out	Up to 1080p 60
OTHERS	DC Power In	Wide Voltage: 7~24V
	Consumption	≤15.6W (12V 1.3A)
	Dimension (LWD)	244.5 × 143.2 × 44.5mm
	Weight	Net: 1009.5g, Gross: 1360g
	Working Temp.	-20℃~60℃

Accessories



12V 2A Power Adapter



USB A-C Cable



Tally Connector

Optioinal



Hand Bag (Shark H4/S4)

Upgraded Chroma Key

Enhanced chroma key technology delivers precise background removal for virtual studios and live events.

