

**AVMATRIX**

# 4-CH SDI/HDMI STREAMING VIDEO SWITCHER

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



SHARK S4

SHARK S4 PLUS

SHARK H4 PLUS

SHARK H4

## Stream via Ethernet



## USB Capture



## SD Card & USB Record



## 10.1-inch Display



## Rich Output Interface



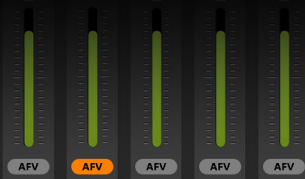
## Transitions



## Media Management



## Audio Mixer



## USK & DSK



# 10.1” FHD IPS Screen

A built-in 10.1-inch FHD IPS screen that clearly displays PVW, PGM, audio bar, multiview, clock, and menu settings.



# 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.

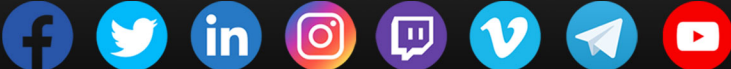




AVMATRIX

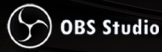
# Live Stream via Ethernet

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 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.



SD CARD SLOT

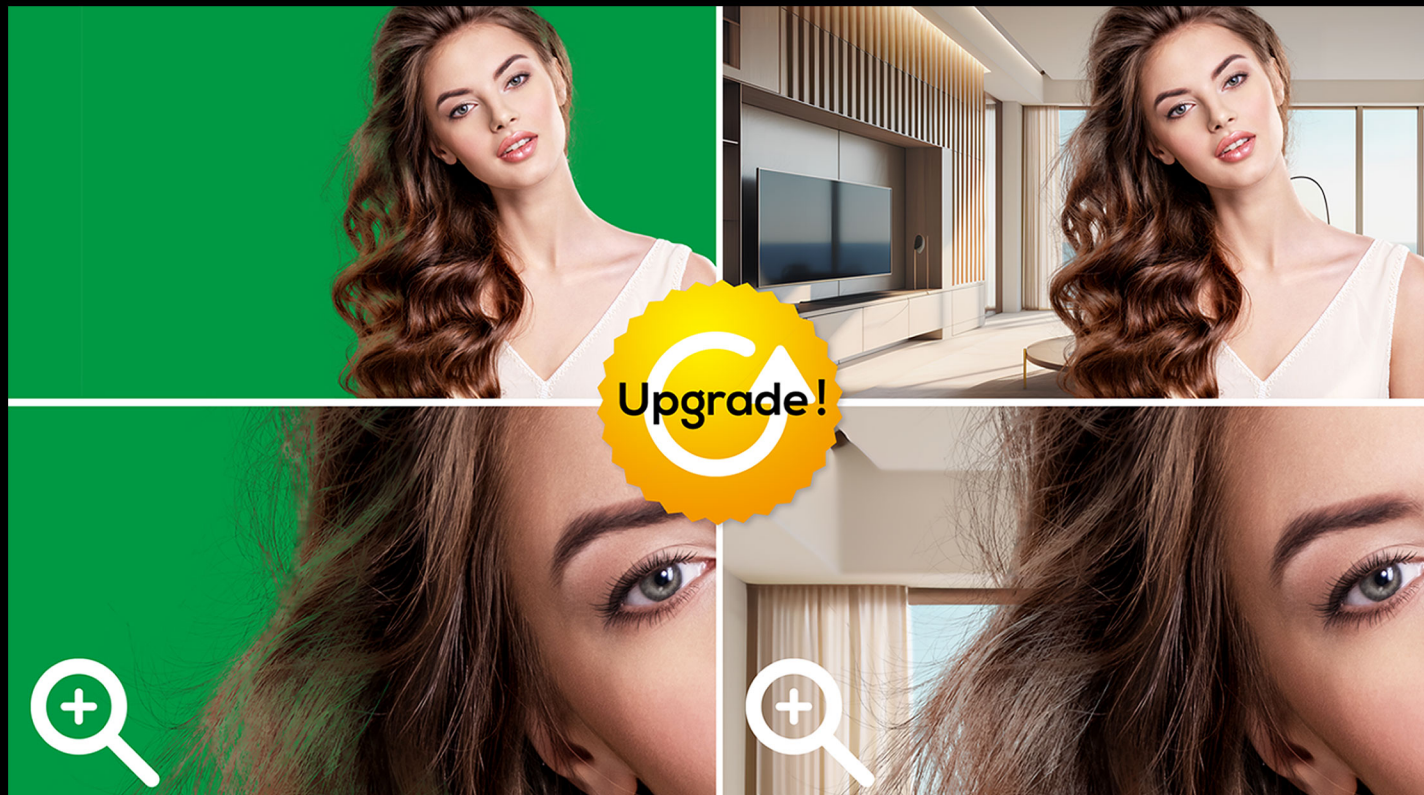


USB REC



# Upgraded Chroma Key

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





# 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.



AVMATRIX

0 dB 0 dB -6 dB

IN 2 IN 3 IN 4 MIC 1 MIC 2 MASTER

0:0:0 0:0:0 0.0GB 0.0GB  
STM TIME REC TIME USB DISK SD CARD

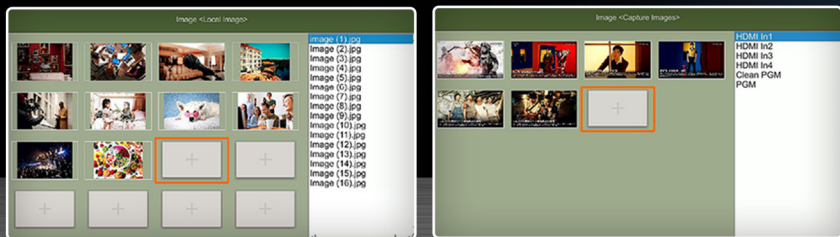
02:13  
January 5, 2020

WIPE	0.5 s	OFF
TRANS	SPEED	USK
PIP1	PIP2	OFF
PIP		DSK
1080P 60	H264 High Profile	VBR 8mbps
ENCODING FORMAT		

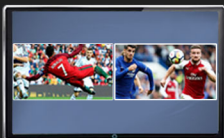
49 °C | 02:13:27

# Media Management

Ignite your creativity with the built-in media library, which provides a wealth of content for your productions, including 49 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.



POP ▶



2 PIP ▶



PIP/ POP Mode

AVMATRIX



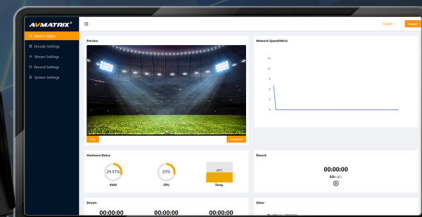
AVMATRIX



LOGO Overlay



Transition Effects



PC Control

# Rich Interface

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



SD CARD SLOT

2xMIC IN

2xSDI IN

2xHDMI IN

2xPGM OUT

MULTIVIEW

USB OUT  
(Capture)

USB REC  
(Record)

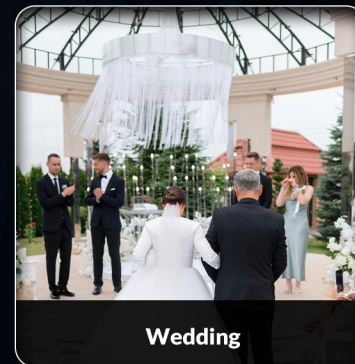
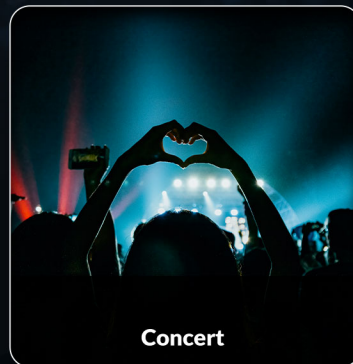
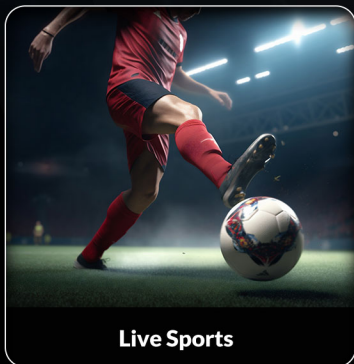
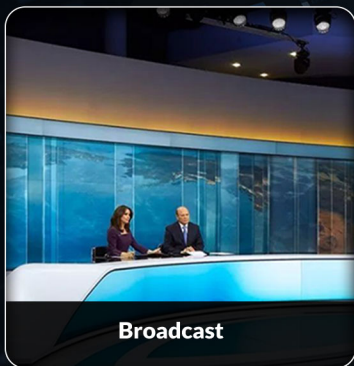
LAN

TALLY

DC-12V

# 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.



## SHARK S4 PLUS



## SHARK H4 PLUS



## SHARK S4



## SHARK H4



# Specifications

		SHARK H4	SHARK H4 PLUS	SHARK S4	SHARK S4 PLUS
CONNECTION	Display	-	10.1 Inch IPS FHD	-	10.1 Inch IPS FHD
	Video Input	HDMI×4	HDMI×4	HDMI×2, SDI×2	HDMI×2, SDI×2
	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 × 1 (3.5mm stereo audio)			
STREAM & RECORD	Encoding Bitrate	2 / 4 / 8 / 12 / 16 / 24 / 32Mbps, Support CBR/ VBR			
	Stream Protocols	HTTP, RTSP, RTMP, RTP, UDP (Multicast, Unicast), 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	Wide Voltage: 7~24V	Wide Voltage: 7~24V	Wide Voltage: 7~24V
	Consumption	≤15.6W (12V 1.3A)	≤20.4W (12V 1.7A)	≤16.8W (12V 1.4A)	≤24W (12V 2A)
	Dimension (LW D)	244.5 × 143.2 × 44.5mm	261.4 × 193.9 × 58mm	244.5 × 143.2 × 44.5mm	261.4 × 193.9 × 58mm
	Weight	Net: 1009.5g, Gross: 1360g	Net: 1734.5g, Gross: 2240g	Net: 1009.5g, Gross: 1360g	Net: 1734.5g, Gross: 2240g
	Working Temp.	-20°C~60°C	-20°C~50°C	-20°C~60°C	-20°C~50°C

## Accessories



12V 2A Power Adapter



USB A-C Cable



Tally Connector

## Optional



Hand Bag (Shark H4/S4)

