
SHARK S5
5-CH TOUCH SCREEN VIDEO SWITCHER
Seamlessly switch, stream, and create with a powerful all-in-one video solution
designed for professional live production.
CUT
AUTO

5.5-INCH
FHD IPS LCD Touchscreen





Landscape & Portrait Mode



4 HDMI/SDI Hybrid Inputs



Convenient PTZ Control



Uncompressed USB Capture



USB Disk & SD Card Recording



Professional Audio Mixer



Versatile Transition Effects



Luma, Chroma Key & DSK Control



AUX Expansion Input

5.5" FHD IPS Touchscreen

Intuitive Monitoring and Control

The built-in 5.5-inch FHD IPS touchscreen provides a clear view of preview, program, audio meters, and multiview status.
Adjust parameters and menu instantly with a simple touch, enjoying a seamless and visually stunning workflow.

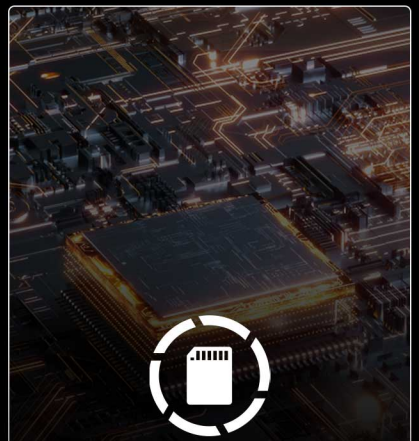


Rich Input & Output Interfaces

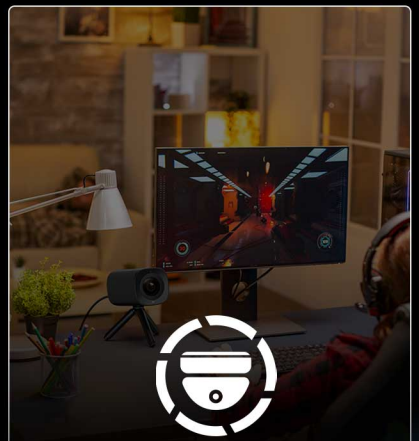
Diverse Ports for Flexible Deployment

This video switcher has 5 input channels. IN1–IN4 can route freely among 4× HDMI/SDI and AUX; the AUX input toggles between AUX source and internal patterns. It features 2 HDMI + 2 SDI PGM outputs and 1 HDMI multiview output.
All outputs are assignable to IN1–IN4, AUX, PGM, Clean PGM, PVW or Colorbar.
Flexible I/O routing suits various live production and monitoring scenarios.





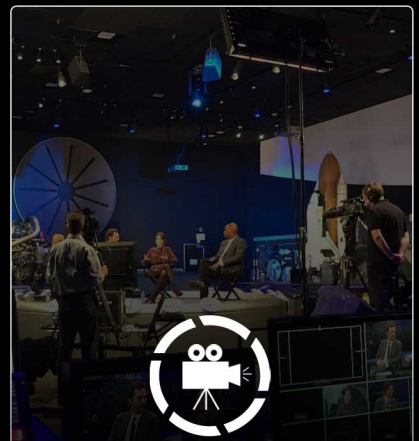
Local Playback



USB Camera



Pull Stream



NDI Sources
(Optional)



AUX Expansion Input

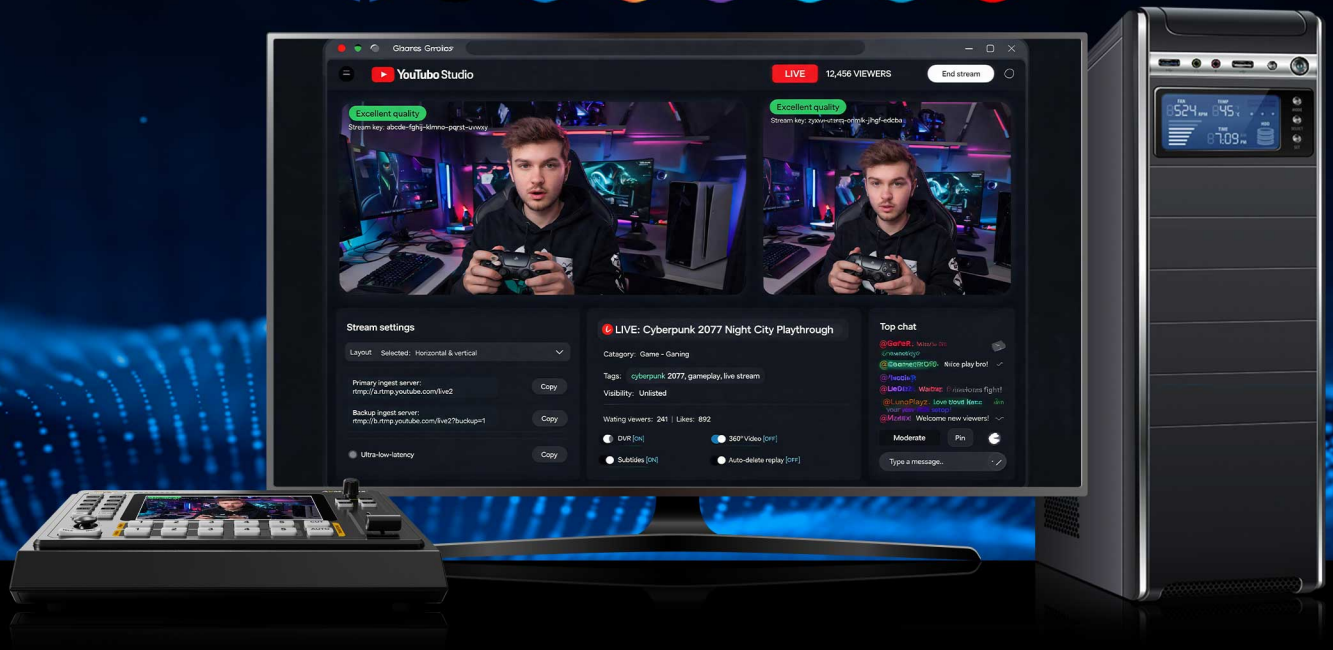
Connect More, Create Better

The switcher features a versatile expansion input compatible with media players, UVC devices, network streams, and NDI® sources (optional). This allows for effortless signal switching and unmatched flexibility in your content creation.

Direct RTMP Streaming

Plug, Push, and Go Live

Equipped with a LAN port, the switcher supports direct RTMP/RTMPS/SRT streaming allowing you to seamlessly broadcast your high-quality video programs to major live platforms with a reliable, stable, and simplified IP workflow.



USB & SD Card Recording

Instant Capture, Professional Quality

Capture your high-quality PGM video directly onto an SD card or USB drive. With encoding bitrates up to 32Mbps and support for both MP4 and TS video formats.



Uncompressed USB Capture

Compatible with Multiple Platform Systems

The USB Type-C port can be used as a webcam, supporting uncompressed video and audio capture. It streams to various software and platforms including OBS, vMIX, ZOOM, Teams, and VLC, and is compatible with Windows, Linux, and Mac systems. Capture Support RGB32,YUY2, NV12.



Convenient PTZ Control

Control with Pan, Tilt, Zoom, and More

The switcher features a PTZ controller supporting pan, tit, zoom, gain,iris, shutter and so on. It controls up to 5 IP cameras, supports IP VISCA, ONVIF protocols.



Landscape & Portrait Mode

Dual-Mode Switching for Any Scenario

The switcher supports multi-view output in both landscape and portrait modes, enabling users to select the ideal mode for various event production scenarios.





Professional Audio Mixer

Dual MIC & Embedded Audio

The switcher's integrated audio mixer enhances the audio effect of your productions by combining two external MIC inputs and 5 input embedded audio (including one AUX channel). Users can also set the AFV and utilize the audio delay feature to ensure the audio-video synchronization.



Advanced Keyer Functions

Flexible PIP, Chroma , Luma Key and DSK Settings

The switcher integrates 3 powerful upstream keys, which support PIP, Luma Key and Chroma Key. It also features DSK and logo overlay. The position and size of these keys can be easily adjusted.



Versatile Transition Effects

11×3 WIPE Modes and 4 Custom WIPE Keys

There are WIPE(11x3 patterns) , DIP and MIX transition effects available from the switcher. Users can easily set multiple transitions using the four customizable WIPE keys.

Bitfoucs Companion Support

Smarter Control. Smoother Production.

Seamlessly integrate SHARK S5 with Bitfocus Companion to unlock flexible, streamlined control through Stream Deck. Trigger pre-configured switching commands and production operations with a single button press, simplifying complex workflows and enhancing efficiency in live production.

Switcher Control

Workflow Triggers

Custom Button Pages



Widespread Application

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


Broadcast

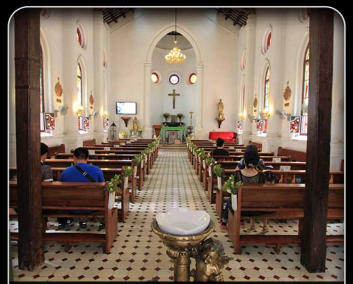

Education



Conference


Self Media/Vlog


Live Sports


Church


Concert


Wedding

Specifications

CONNECTIONS

Video Input	SDI×4/HDMI×4，AUX×1
AUX Intput	Local playback, UVC input, pull stream, NDI(Optional)
LAN Port	LAN×1 (For firmware upgrade, streaming, and web control)
Capture Output	USB3.0 Type-C×1
PGM Output	HDMI PGM×2，SDI PGM×2
Multiview Output	HDMI Multiview×1
Audio Input	MIC ×2
Audio Output	Line ×1，3.5mm earphone×1
Camera Control Port	Supports VISCA over IP and ONVIF protocols
Tally Port	USB Type-C×1
Power In	DC 12V×1（8-24V)

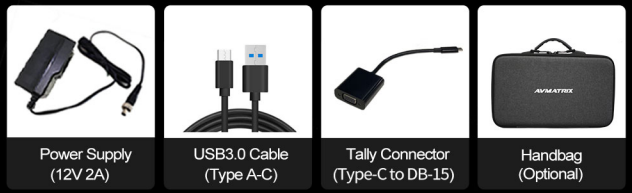
STREAM & REC

Bitrate	Up to 32Mbps
Rate Control	CBR/VBR
Stream Protocols	RTMP/RTMPS/SRT
REC USB Disk/SD Card Format	FAT32/exFAT/NTFS

FUNCTIONS

Transitions	WIPE(11×3 patterns)/ MIX/ DIP/ STILL/ FTB
Multiviewer Layout	Landscape & Portrait Mode
Upstream Key	Chroma Key ×1, Luma Key ×1, PIP ×2
Downstream Key	DSK ×1, Logo ×1, TIE×1
PTZ Camera	Supports up to 5 cameras, VISCA-IP and ONVIF control protocols
Audio Function	Audio follow, audio mixing, audio delay (max. 300ms)
Logo Library	Up to 8 PNG images, maximum resolution per image: 512×320
Record	USB disk & SD card storage for recording PGM out , up to 1080p60
Display	5.5-inch touch screen

Accessories



Power Supply (12V 2A) | USB3.0 Cable (Type A-C) | Tally Connector (Type-C to DB-15) | Handbag (Optional)

STANDARDS

SDI Input Format	1080p 60/59.94/50/30/29.97/25/24/23.98
	1080psF 30/29.97/25/24/23.98
	1080i 60/59.94/50
	720p 60/59.94/50/30/29.97/25/24/23.98
HDMI Input Format	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
	720(1440)×480 i59.94/i60,720(1440)×576 i50
PGM Output Format	1080p 60/59.94/50/30/29.97/25/24/23.98
	1080i 60/59.94/50
Multiview Output Format	1080p 60
Color Space	RGB Full/ RGB Limited/ YUV
SDI Video Rate	Auto detection，HD/3G-SDI
SDI Compliance	SMPTE 292M/ SMPTE 424M SMPTE 296M/ SMPTE 425M
USB Capture Out	RGB32 support up to 1080p30; YUY2 , NV12 support up to 1080p60

OTHERS

Consumption	Wide Voltage Input: 8~24V; Power Consumption: 18W (12V 1.5A)
Dimension(LWD)	244.5×175.2×68.1mm
Weight	1401g
Temperature	Working: -20℃~60℃, Storage: -30℃~70℃



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