

A black, multi-functional live streaming switcher device is shown from a high-angle perspective. The device is rectangular and features a grid of numerous small, square buttons with various symbols and text. On the left side, there are four large, white, rectangular buttons labeled '1', '2', '3', and '4'. Below these are buttons labeled 'MEDIA', 'FIR', 'CUT', 'AUTO', 'MODE', and 'MENU'. A small, black, cylindrical knob is located on the right side of the device. A red, splatter-style sticker with the word 'NEW' in white capital letters is placed on the top right of the device. The device is resting on a dark, textured surface with a grid pattern. The background is dark and out of focus.

**NEW**

# AK80

**FULLY UPGRADED MULTI-FUNCTIONAL  
LIVE STREAMING SWITCHER**

## Overview

The AK80 is a brand new designed & updated multi-functional broadcast switcher. It includes five input channels and a multi-view combination transition effect, Two SDI inputs, two HDMI inputs with 4k resolution. It supports Lower Third dynamic overlay feature with MV preview output, and in-house recording. It not only supports seamless switching between vertical and horizontal screens, but also includes a built-in hardware streaming engine to fit various streaming software to realize a high-quality, professional multi-camera production and multi-platform online streaming.

## Key Features

- Supports Type-A USB 3.0 Lossless Stream
- Five video inputs including two SDI inputs and two 4k HDMI inputs
- Compatible with UVC Cameras and Remote Camera for Versatile Inputs
- Built-in Media Player for Direct Playback & As Input Source
- Supports PGM Output and MV Output
- Supports Lower Third Overlay
- Supports In-House Recording by USB Disk and Hard Drive
- Supports Vertical & Horizontal Screen Switching
- Built-in Server for Web Browser Control
- Dual Channel RTMP Streaming through Ethernet.

## Functionality



### Multi-Functional Input

The AK80 features a multi-functional input that can directly play media video sources from a USB drive or connect to a UVC camera without converters. It also supports NDI, SRT, and RTMP protocols to stream remote video feeds into the switcher and use them as an input source, achieving local live streaming.



### Dual HDMI Outputs for Monitoring

Equipped with dual HDMI outputs, the AK80 provides one output for HDMI PGM and another for MV output, allowing connection to two displays for multi-monitoring setups and viewing.



## Dual Channel Streaming via Ethernet & Wi-Fi

The AK80 includes a hardware streaming engine that supports live streaming via Ethernet or Wi-Fi without computer. Users are able to stream by inputting RTMP code via the built-in web server to realize smooth and high-quality stream in Tiktok & Facebook.



### Dynamic Lower Third Overlay

Supports multiple dynamic Lower Third overlay, allowing for more fruitful and visual transition effects.



### USB Flash Disk and HDD Recording

The AK80 enables direct recording data to USB disk or hard drives, simplifying post-production editing and providing long-term storage options.



### Joystick Control PTZ Cameras

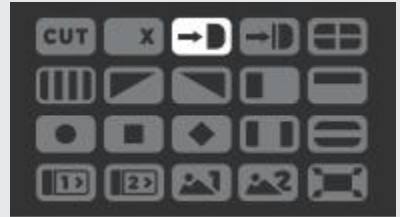
Supports to control five PTZ cameras via joystick, facilitating multi-camera switching easily.





### Multiple Customized Transition

The AK80 features multiple transition effects, including FADE, WIPE, DIP, and DVE effects. It also has a duration button that allows you to set video effects for 0.5 seconds, 1 second, or 1.5 seconds, ensuring smooth and seamless transitions between different scenes.



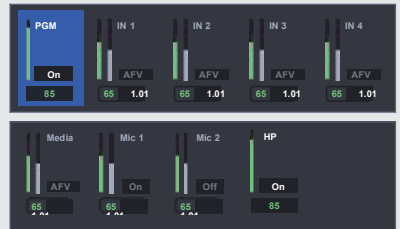
### Support USB Image Load in JPG/PNG Format

The AK80 supports direct import of image files via USB disk, compatible with jpg and png formats, it is a troubleshooter for multiple device connection.



### Equipped with Audio mixer to facilitate Real Time Mixing

The AK80 is built in professional audio mixer that supports both AFV and MIX audio modes, enabling mixing output of embedded HDMI audio and multi external audio.



### Equipped with Audio Input for Real-time Monitoring

AK80 is equipped with a headphone monitoring, enabling real-time monitoring of any input or output audio channel.



### Virtual Chroma Key Algorithm

AK80 is equipped with a powerful cinematic-level chroma key algorithm, which uses a color picker to sample the background color and automatically generate keying parameters, providing precise edge and spot control, making it a great tool for news broadcasts or live presentations!



## Applications

### E-commerce Live Streaming

AK80 is the best choice for e-commerce live streaming rooms. It supports multi-camera switching, capturing wide-angle or close-up shots between the host and the products. Its compact and portable design allows for flexible operation and switching in limited live streaming space.



### Various Event Performances

The AK80 is portable and easy to carry allowing it to handle various events and performances. It has multiple built-in scene modes that can be easily recalled and saved. Additionally, you can copy the live production plans and recorded instructional videos to a USB drive or an external hard drive.



### Business Presentation

In business meetings, AK80 can achieve multi-camera switching. The PTZ camera angle can be controlled and preset by joystick. One camera can be set for close-up shot, another for wide-angle shot, and an additional computer can be used for PPT presentation. The PIP feature can also be used to enhance the visual experience of business presentation.



### Education and Training

AK80 support multi-camera setups and chroma key function to create virtual teaching scenes, meeting the needs of online education. Recorded instructional videos can be copied to a USB drive or an external hard drive.



## Parameter

<b>Interface</b>	Input	HDMI 2.0	2xHDMI	HDMI 4K Input Interfaces
		3G-SDI	2xSDI	HDMI 1080P Input Interfaces
	Output	USB 2.0	1xUSB TypeA	Video Playback/File Loading/UVC Input
		HDMI1.3	1xHDMI-A	PGM
		HDMI1.3	1xHDMI-A	PVW / PGM / PST
Audio	USB 3.0	1xUSB TypeA	UVC Output Port	
	MIC IN	2x3.5mm Stereo Jack	Compatible with MIC/Line Input	
Communication	PHONES	1x3.5mm Stereo Jack	Audio Monitoring	
	LAN	1xRJ45	LAN Control	
<b>Input Resolution</b>	HDMI	SMPTE	720p@50/60   1080i@50   1080p@24/30/50/60	
		VESA	1024x768@60   1280x768@60   1280x800@60	
	SDI		1280x1024@60   1360x768@60   1366x768@60	
			1440x900@60   1600x1050@60   1680x1050@60	
			1920x1080@23.98/24/25/29.97 /30/50/59.94/60 (IN1/IN2) 3840x2160@30/50/60	
SDI	SMPTE	720p@50/60   1080i@50   1080p@24/30/50/60		
	VESA	1024x768@60   1280x768@60   1280x800@60		
<b>Output Resolution</b>	HDMI	SMPTE	1080p@24/30/50/60	
	USB3.0	Video Streaming	720p@50/60   1080p@24/30/50/60	
<b>Performance</b>	Video Sampling	YUV 4:4:4		
	Latency	<3 Frames		
	Audio Latency	0-500ms (0-30/25 frame)		
<b>Power</b>	Input Voltage	12V/2A		
	Constant Power	20W		
<b>Environment</b>	Temperature	0°C~70°C		
	Humidity	10%~85%		
<b>Weight</b>	Net Weight	4kg		
	Gross Weight	6kg		
<b>Dimension</b>	Net Dimension	244mm x 120mm x 50mm		