

Live video control switcher



5.5-inch LCD Screen	4D Rocker	Real-time image preview	Chroma Key	Multi Protocol Support	POE	PTZ & Image Control
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Key Features

- 5-inch full HD LCD display**
 Built-in 5-inch HD screen, Integrates live streaming and monitoring functions.
- Support T-shaped fader switching video output control**
 Damping feel fader, supports 30 switching effects.
- 4 HDMI input video sources, 2 PGM HDMI output**
 Supports up to 4 video inputs and 1080P60 image input.
- 1 channel UVC video signal output**
- Supports RTMP streaming protocol, live broadcast at any time**
 Supports RTMP streaming media protocols to implement streaming; supports stream size setting and simultaneous streaming from 2 addresses.
- Dual HDMI outputs**
 Both channels can output PGM
- A variety of PIP layouts and transition effects, which can be freely converted according to needs**
 Supports multiple PIP and POP layouts and multiple transition functions.
- MP4 video recording, retains wonderful works**
 Supports MP4 format video recording and saving.
 Supports USB mobile hard disk storage.
- Convenient and fast camera control functions**
 4D joystick PTZ control; supports VISCA Over IP control protocol
- Powerful WEB control background**
 Supports remote control of broadcasting and parameter configuration through the WEB background, and supports WEB equipment upgrades.



Technical Specification

Model	AK40
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Video Switcher Specification

Video Input Interface	4 channels HDMI
	2 Channels HDMI outputs simultaneously, supports PGM
Video Output Interface	1 Channel USB output, USB supports audio and video output
	1Channel IP output, supports RTMP, RTMPS
	Support UVC and IP simultaneous output
Audio Input Interface	4 sets of HDMI audio inputs
	2 channels 3.5mm MIC IN input
Audio output Interface	1 set of 3.5mm headphone monitoring jack
RJ45 Ethernet	RJ45x1, Ethernet supports 10/100/1000 BaseT, which can be used for live streaming, background settings, and software updates
Computer Interface	1xUSB TYPE C for UVC video output
	1xUSB TYPE A; external USB storage (FAT32, NTFS, exFAT)

Format Specifications

Video Input Format	1080p 60/59.94/50/30/29.97/25/24/23.98
	1080 i50/1080 i60
	720p 60/59.94/50/30/29.97/25/24/23.98
	576i/480i/576p/480p
Video Output Format	1080p 60/50/30/25/24
	1080i50/1080i60
HDMI Color Space	RGB/YUV
USB Acquisition Output	Max: 1080P60, support USB audio output
Local File Playback	Video file format: MP4
	Image file format: PNG, JPG, BMP
File Recording Format	MP4
Storage Media	Support U disk storage (FAT32, NTFS, exFAT)
File Recording Resolution	1920×1080
File Real-time Playback	Support

Specifications

Video System	FULL HD
Monitor Screen	5 inches
Monitor Minimum Resolution Requirements	1920x1080 pixels
LOGO	1 set
Clock Display	Support
Operating Mode	Horizontal screen(16:9)
Tally	Support (Tally control box needs to be purchased separately)

Stunt Switch	CUT & AUTO
Special Effects	36 kinds of stunts, the switching duration can be set
PIP Model	Support (8 channels PIP and POP model)
Layers	Background, A, B, LOGO multiple layers Layer editing support: size, position, graphics mask, area mask
Keying	Chroma key Luma Key
Language Mode	Simplified Chinese, English
Audio	
Mixer	4-channel audio virtual mixer with switch and mode settings for each channel
Analog Audio Input	2 channels of 3.5mm MIC IN input, gain range (-60-24db)
Analog Input Delay	0-500ms
Analog Audio Output	1 Channel unbalanced stereo output line out
Dimension	1 Channel headphone monitoring output
Audio Input Level Range	0dB~60dB
Audio Sample Rate	48kHz
Audio Format	AAC encoding; streaming and recording 2 channels, 16bit, compression bit rate support: 128k (default), 48k, 64k, 96Kbps;
PTZ Control	
PTZ Control	VISCA Over IP control protocol
PTZ Control Quantity	4 Channels
PTZ Camera Control Method	4D Joystick
PTZ Aperture Control	Support
PTZ Focus Control	Support, manual/auto
PTZ Exposure Control	Support, manual/auto
PTZ Exposure Mode	Red gain value, blue gain value adjustment
TALLY Instruct	Equipped with the tally control box, the camera can be switched and controlled synchronously with tally lights.
Remote Control	Support mobile phone and WEB web page control
Software Update	
Firmware Upgrade	Connect directly to a Windows computer using the Ethernet interface.
Power Supply	
Input Voltage	External 12V2A power supply
Input Current	0.8A (Max)
POE	Non support
Rated Power	10W (Max)
General Specifications	
Usage Environment	Indoor
Operating Temperature	0°C-40°C
Storage Temperature	-10°C-60 degrees

Color	Black
Dimension	(W)354* (D)165* (H)121mm (Including rocker height)
Weight	2.0kg

Application scenarios:

