



USER MANUAL

SDI/HDMI video switcher for live streaming

Enjoy the vivid world!

Before using the product, please read this manual carefully and keep it properly.

Date of publication: 2024-11-06

Introduction :

SDI/HDMI video switcher for live streaming, 1 SDI input and 3 HDMI input support resolution 1080P@60Hz, and support HDCP1.4 standard, support HD embedded audio or external analog audio, after mixed processing, can be embedded in the output HD signal or output from the analog port. All resolution of the input signal is automatically adapted, the output resolution is 1920X1080@60Hz, To satisfy the requirements of Radio and television program production, live production of interviews and speeches, outdoor experience events, school courseware production and other video switching needs. It can be used in live streaming and various event venues.



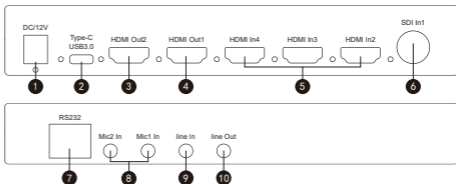
Features :

- * 1 SDI input supports a resolution of 1920*1080/60hz, and supports 100m lossless transmission;
- * Easy convert broadcast-level SDI signal;
- * 3 HDMI input; 2 HDMI output;
- * One Type-C 3.0 capture port, supports video format YUY2;
- * Support OSD display input channel signal, resolution information, volume information;
- * Support MIC,LINE IN,HD mixing output (LINE OUT fixed mixing output);
- * Support HD audio following (fixed following PGM);
- * Support LINE OUT and HD audio output;
- * Support power-off save settings;
- * High quality keys, color backlight design.

Specifications:

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| SDI input resolution | Up to 1080P@60Hz |
| SDI transmission rate | up to 2.97Gbps |
| SDI input cable length | Max 100 meters, using RG6 75R HD digital video cable |
| HDMI input resolution | 1080P@60Hz |
| HDMI output resolution | 1080P@60Hz |
| Type-C 3.0 capture and push network traffic video format | YUY2、 MJPEG |
| Supports audio format | PCM |
| The maximum bandwidth transmission | 148.5MHz |
| Maximum transmission rate | 1.65 x3Gbps |
| The input cable length | 1080P/60Hz≤15 m AWG26 HDMI standard cable |
| The output cable length | 1080P/60Hz≤15 m AWG26 HDMI standard cable |
| Maximum working current | 0.85 A |
| Power adapter specifications | Input AC(50Hz,60Hz)100V-240V; Output: DC/12V 2A |
| Working temperature range | (-15 C to +55 C) |
| Size | 180x130x52(mm) |
| The weight | 557g |

Physical interface diagram



- 1: DC/12V -- power input port;
- 2: Type-c USB3.0 -- Type-C capture port, output a single image (PGM);
- 3: HDMI Out2 -- HDMI signal output port, output a single image (PGM);
- 4: HDMI Out1 -- HDMI signal output port, output 6 split images (PVW);
- 5: HDMI In4-2 -- HDMI signal input ports 4-2;
- 6: SDI IN --SDI signal input port;

7: RS232 -- RS232 serial port control
8: Mic2-1 In -- Microphone input port 2-1;

9: line In -- analog audio input port;
10: line Out: analog audio output port;

Panel buttons function description :



- 1: FTB -- PGM turns on or off to black screen
- 2: PIP -- Enter or exit picture-in-picture mode (PGM background, PVW small image, audio follows PGM);
- 3: SPLIT -- Left and right two segmentation (PGM on the left, PVW on the right);
- 4: AFV -- audio follows PGM image;
- 5: MIX -- Audio mix (MIC1-2/Line in/HD);
- 6: MUTE -- Turn on or off the mute;
- 7: PGM_1 -- PGM image switched to HD1; PGM_2 -- PGM image switched to HD2;
PGM_3 -- PGM image switched to HD3; PGM_4 -- PGM image switched to HD4;
BAR -- PGM blue image turn on or off;
STILL -- PGM image is frozen or unfrozen;
- 8: PVW_1 -- PVW image switched to HD1; PVW_2 -- PVW image switched to HD2;
PVW_3 -- PVW image switched to HD3; PVW_4 -- PVW image switched to HD4;
BAR -- PVW blue image turn on or off;
STILL -- PVW image is frozen or unfrozen;
- 9: Mic 1 -- Tap MIC 1 to turn on or off the Input volume, rotate to adjust the volume.
- 10: Mic2 -- Tap MIC 2 to turn on or off the Input volume, rotate to adjust the volume.

- 11: Line In -- Tap to turn on or off analog audio input , rotate to adjust the volume;
- 12: Slider key - Fade in and out between PVW and PGM image;
- 13: Auto -- Fade in and out between PGM and PVW image;
- 14: Cut -- Quick switch between PGM and PVW image;

OSD Description :(HDMI Out1 image)



- 1: Indicates resolution of the input channel.
- 2: Indicates the resolution of the output channel.
- 3: Indicates the channel in the mixing state and the corresponding volume of the audio

Application scenario :



Production of programs



Teaching room



Live

Package include :

- | | |
|--|-----|
| 1. SDI/HDMI video switcher for live streaming | 1PC |
| 2. 1M Type-c USB3.0 to USB-A 3.0 cable 10Gpbs) | 1PC |
| 3. DC/12V power adapter | 1PC |
| 4. User manual | 1PC |
| 5. OBS operation reference | 1PC |

Application diagrams :



Note: All devices need to be connected and finally connected to the power supply.