HDMI®
HIGH-DEFINITION MULTIMEDIA INTERFACE

USER MANUAL

Video switcher for live streaming

Enjoy the vivid world!

Introduction :

 Video switcher for live streaming, 4 HDMI input support resolution 1080P@60Hz, and support HDCP1.4 standard, support HD embedded audio +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 :

* 4 HDMI input; 2 HDMI output;
* 1 Type-C acquisition interface;
* Support OSD display input channel signal, resolution information, volume information;
* Support MIC,LINE IN,HD mixing output
  (LINE OUT fixed mixing output,HD following or mixing);
* Support HD mixing and audio following (fixed following PGM);
* Support LINE OUT and HD audio output;
* Support power-off save Settings;
* High quality keys, color backlight design

Specifications:

HDMI input resolution .... Up to 1080P@60Hz
HDMI output resolution .... 1080P@60Hz
Supports audio format .... PCM
The maximum bandwidth transmission 340MHz
Maximum transmission rate 3.4 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 .... 0.7 A
Power adapter specifications .... Input AC(50Hz,60Hz)100V-240V; Output: DC/12V 2A
Working temperature range .... (-15℃ to +55℃)
Size .... 180x115x52(mm)
The weight 510g

Physical interface diagram
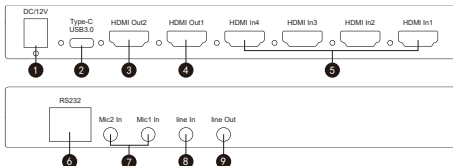
1: DC/12V -- power input port;
2: Type-c USB3.0 -- Type-C capture port, output a single image (PGM);
3: HDMI Out2 -- HDMI signal output port, output a single image (PGM);
4: HDMI Out1 -- HDMI signal output port, output 6 split images;
5: HDMI In4-1 -- HDMI signal input ports 4-1;
6: RS232 -- RS232 serial port control;
7: Mic2-1 In -- Microphone input port 2-1;
8: line In -- analog audio input port;
9: line Out: analog audio output port

Panel buttons function description：
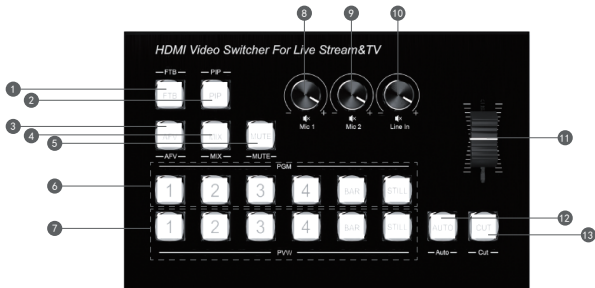
1: FTB -- PGM turns on or off to black screen
2: PIP -- Enter or exit picture-in-picture mode
   (PGM background, PVW small image, audio follows PGM);
3: AFV -- audio follows PGM1 image;
4: MIX -- Audio mix (MIC1-2/Line in/HD);
5: MUTE -- Turn on or off the mute;
6: PGM_1 -- PGM image switched to HD1;   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;
7: 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;
8: Mic1 -- Tap MIC 1 to turn on or off the Input volume, rotate to adjust the volume.
9: Mic2 -- Tap MIC 2 to turn on or off the Input volume, rotate to adjust the volume.
10: Line In -- Tap to turn on or off analog audio input , rotate to adjust the volume;
11: Slider key - Fade in and out between PVW and PGM image;
12: Auto -- Fade in and out between PGM and PVW image;
13: Cut -- Quick switch between PGM and PVW image;

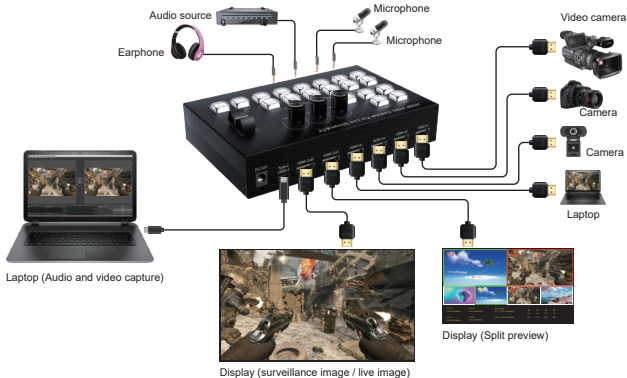## OSD Description :(HDMI Out1 image)
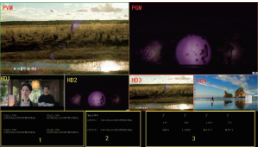
1: Indicates resolution of the input channel.
2: Indicates the resolution of the output channel.
3: Indicates the channel in the mixing state and
   the corresponding volume of the audio

Application diagrams :

Audio source
Earphone
Microphone
Microphone
Video camera
Camera
Camera
Laptop

Laptop (Audio and video capture)

Display (surveillance image / live image)

Display (Split preview)

Operation steps for OBS:

Capture operation steps(OBS): Open the software -->Add new sources -->Choose "Video Capture Device"/ "Audio Input Capture" -->Set the size of the image -->Choose "Studio Mode"(double windows) -->Click "Start Recording".
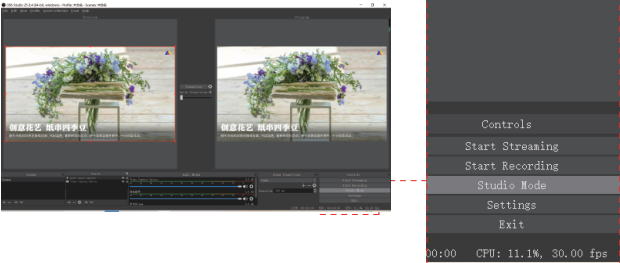
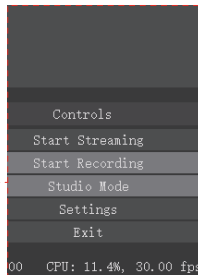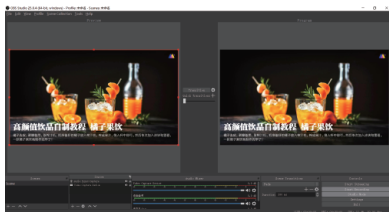1. Add new sources, choose " Video Capture Device "/ "Audio Input Capture"
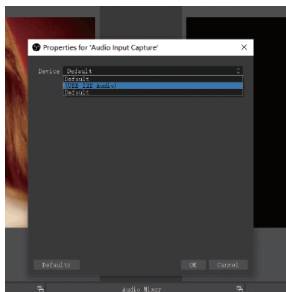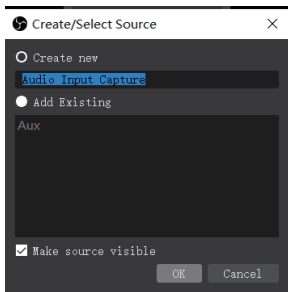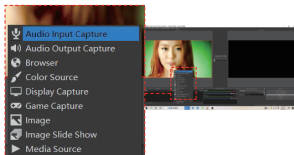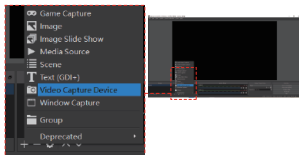
2. Set the size of the image.
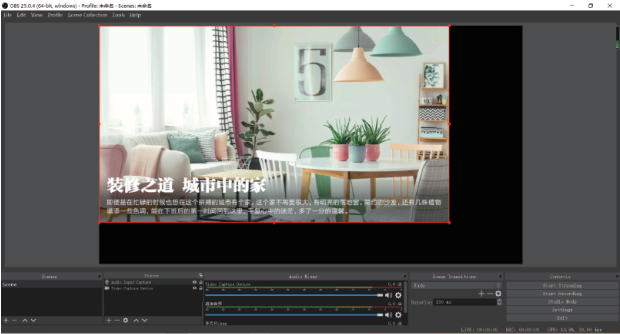
3. Choose "Studio Mode"(double window).

4. Click " Start Recording"

The above settings have been completed.

Application scenario：

Production of programs   Teaching room   Live

Package include：

1. 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