AVMATRIX®

MICRO 4 CHANNEL HDMI
LIVE STREAMING
VIDEO SWITCHER
HVS0402U

- 4 channel auto-detected HDMI inputs
- 1×HDMI PGM output,1×HDMI multiview out, 1×USB type-C output
- AUX output configurable and assignable
- USB for capturing and streaming on PC
- Clearly visible multiview & status page
- Upstream key: Luma key, Chroma key, PIP×2/ POP
- Downstream key and LOGO overlay
- T-bar/ Auto/ Cut transitions; various effects: WIPE(9×2 patterns) / MIX/ DIP
- Audio mixer: HDMI embedded audio and 2-Ch MIC/line In; audio delay available
- Media library: 49 default patterns, 16 imported images, 16 captured images, 2 color generators
- LAN port for PC software remote control
- FTB/ MUTE/ STILL/ GPIO for tally

Scaled Output & Multiview

The switcher supports multi-format inputs including 1080p, 1080i, 720p, 576i and 480p HDMI signals.
And 2 HDMI outputs can be used as AUX output that can select video source from HDMI 1-4, PVW, PGM or Clean PGM,
and output format can be up/down scaled. Besides, all cameras as well as setting status/menu can be monitored via multiview output.

USB Capture for Streaming

Connect the switcher to a computer with Windows 7/8/10, Mac OS via USB output, and use softwarare like OBS, PotPlayer, VMix, etc.
to realize live streaming in Youtube, Facebook, Twitter, etc. platforms. The video source of USB out not only
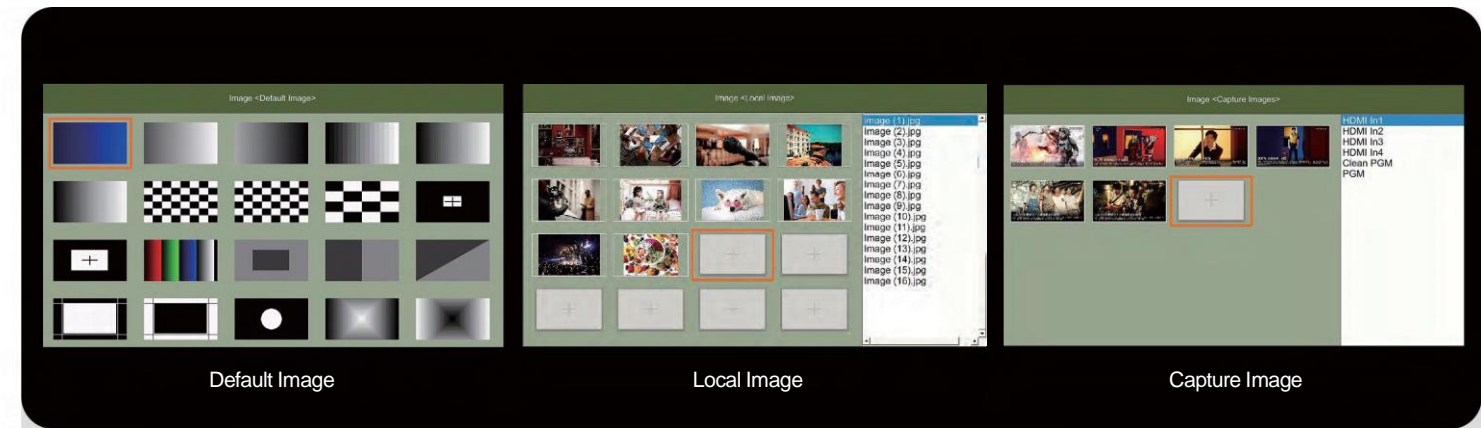can be the PGM output but also can be HDMI1, HDMI2, HDMI3, HDMI4, PVW or Clean PGM output.

USK & DSK

The switcher supports chroma key and luma key, which is convenient for users to key off blue/green and black background colors
for virtual studio or live event applications. Besides, User can gain an exact color level by using the color picking, clip and gain key adjustment.

Transition Effects

There are WIPE(9×2 patterns), MIX and DIP transition effects available from the switcher. The transition effect works for switching via AUTO and T-Bar. User also can have transition without effect by switching via CUT.
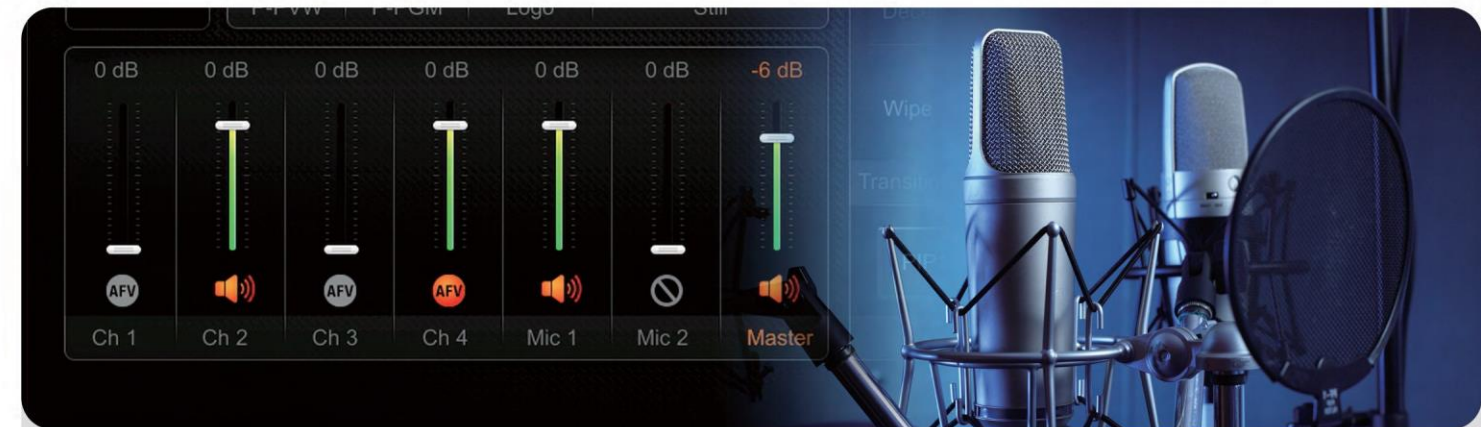
Powerful Media Management

The video switcher has a powerful built-in media management function with 49 preset patterns. User also can import image from USB flash disk, or capture and store the screenshot image of HDMI 1, HDMI 2, HDMI3, HDMI 4, Clean PGM or PGM.

Default Image   Local Image   Capture Image

2 PIP/ POP

The switcher has 2 PIP function that it can overlay 2 sub-screen into the PGM out, and the size and postion of sub-screen can be adjusted. Besides, user can use POP to have two same-size screens overlay into PGM out.

Audio MIXING /AFV

The switcher can mix 4 HDMI embedded audio and 2 external analog audios (Mic/ Line-level) into the PGM out. User can turn on/off or adjust volume or audio delay for each audio independently. In addition, 4 HDMI embedded audios can be set to AFV mode.

LOGO Overlay

User can add a logo from USB flash disk into PGM. The logo's size and position can be adjusted, and the logo image can be PNG, JPG, BMP, etc. format.

PC Control Softaware

A free PC control software can be downloaded from website. User can remotely control all settings of the device through the control software, including transition effects, audio configuration, multiview settings and media management, etc.

Abundant Applications

The Micro 4 channel HDMI live streaming video switcher can be widely used in various field events, such as church, game live, live sports, virtual studio, education, internet, concert, and so on.

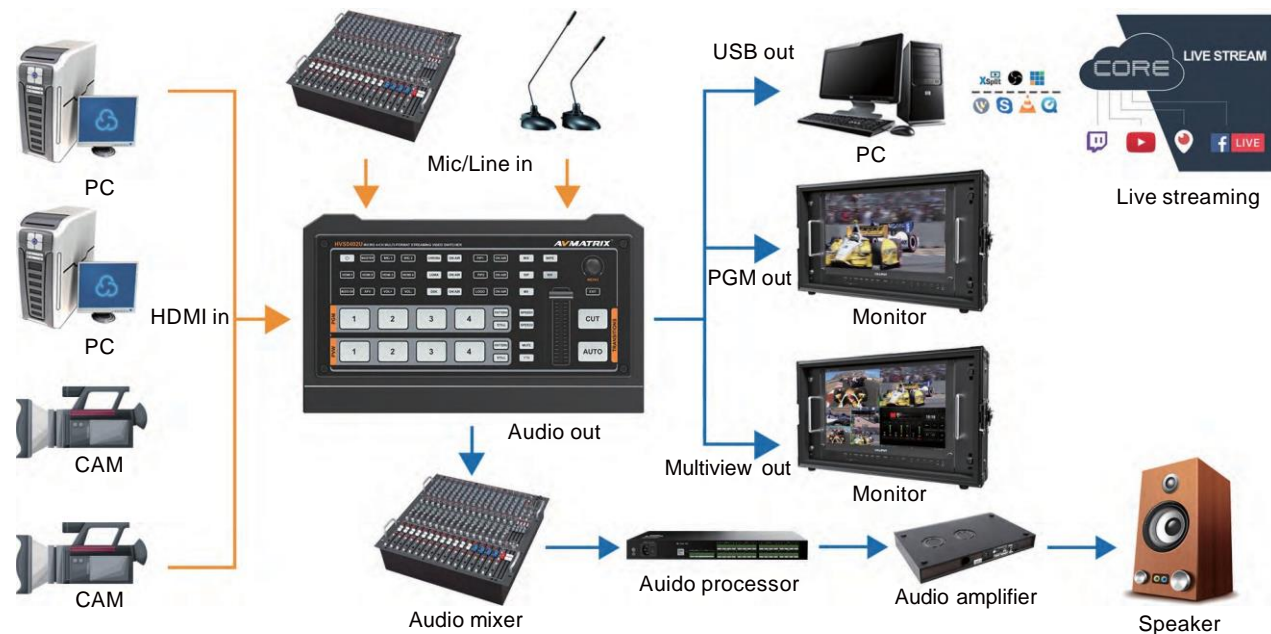| Game Live | Remote Education |
| Wedding | Live Sports |
| Church | Teleconference | Self Media/ Vlog Live | Concert |

CONNECTIONS	
Video In	HDMI type–A ×4
Video Out	HDMI type–A PGM ×1 HDMI type–A Multiview ×1 USB2.0 type–C ×1(Streaming on PC) Assignale HDMI 1~4, PGM, Clean PGM, PVW, Color bar, Multiview
Audio In	MIC/ Line ×2(3.5mm stereo audio)
PC Control Port	LAN ×1
Media Library	USB type–A ×1(For image import and firmware upgrade)
Tally Port	DB–15 ×1
Power In	DC 12V ×1

FUNCTIONS	
Transitions	T–Bar/ AUTO/ CUT
Effects	WIPE(9×2 patterns)/ MIX/ DIP/ STILL(freeze)/ PATTERN/ MUTE/ FTB
Layouts	2 styles of Multiview layout(6 windows and stutas)
Keys	Upstream Key: Luma Key ×1/ Chroma Key ×1/ PiP ×2/ POP Downstream Key: DSK ×1/ Logo ×1
Audio Mixer	HDMI ×4 and MIC/ Line ×2 Audio delay: 0–500ms
Media Format	Default image: 49 preset patterns Local image: Up to 16 imported images Capture image: Up to 16 captured images
Generators	Pattern generator ×1 Color generators ×2

STANDARDS	
HDMI In Format Support	1080p 60/ 59.94/ 50/ 30/ 29.97/ 25/ 24/ 23.98 1080i 50/ 59.94/ 60 720p 60/ 59.94 /50/ 30/ 25/ 24 576i 50, 576p 50, 480p 59.94/ 60, 480i 59.94/ 60
HDMI PGM Out	1080p 60/ 59.94/ 50/ 48/ 47.95/ 30/ 29.97/ 25/ 24/ 23.98 1080i 60/59.94/50
HDMI Multiview Out	1080p 60/ 59.94/ 50/ 48/ 47.95/ 30/ 29.97/ 25/ 24/ 23.98 1080i 60/59.94/50
HDMI Color Space	RGB/ YUV
USB Capture Out	MJPG, up to 1080p 60
Media Format	USB disk format support: FAT32, Ext3, Ext4, up to 256GB Image format support: png, bmp, jpg, gif, jpeg, ppm, pbm, tif, jps, mpo, tga Logo format support: png, bmp, jpg, gif, jpeg, ppm, pbm, tif, jps, mpo, tga Logo size support: 10×10 pixel to 600×600 pixel

OTHERS	
Power	Wide voltage: 7~24V; Operating power:12W(12V 1A)
Dimension (LWD)	244.5 × 143.2 × 44.5mm
Weight	Net: 1030g; Gross: 1500g
Temperature	Working: −20℃~60℃, Storage: −30℃~70℃
Accessories	Power supply(12V 2A) ×1; USB cable(type A–C) ×1; Tally connector(DB–15) ×1

USB out
PC
Live streaming
Mic/Line in
PGM out
Monitor
PC
HDMI in
CAM
CAM
Audio out
Multiview out
Monitor
Audio mixer
Auido processor
Audio amplifier
Speaker

1/4"Thread Hole
143.2mm
244.5mm
44.5mm