

Live Switcher AV-UHS500 小型4K切换台

Ver. 1.0



NEW

AV-UHS500



小型直播切换台
1ME
12G/3G/HD



AV-HLC100



直播制作中心
1ME
HD
NDI/3G/HD

AV-HS6000



2ME
4K/3G/
HD/SD

AV-HS450



1ME
HD/SD

AV-HS410



1ME
HD/SD

适合现场制作的小型4K (UHD) 切换台

➤ HD/3G/UHD 多格式, 2K(HD) 和4K(UHD) 模式下功能相同

2160/59.94P, 50P, 29.97P*1, 25P*1, 24P*1, 23.98P*1
 1080/59.94P, 50P, 29.97Psf, 25Psf, 24Psf, 23,98Psf
 1080/59.94i, 50i, 720/59.94P, 50P

*1:2160/29.97P, 25P, 24P and 23.98P will be available with future update

➤ 12G I/O 标准配置及可扩展I/O (最多. 16 路输入 / 15 路输出)

➤ 低延时: 最小 15us-微秒 (1 行/4K)*2

➤ 功能强大的一体机

- 5 Keyer with 2 x PinP and 2 x CKEY
- 4通道AUX总线, 带混和键功能(可分配给DSK)
- Control Panasonic PTZ

*2: In case when FS is OFF, No format conversion



- 7" LCD 可做菜单显示或监视器用
- 动画/静帧图片的保存/调用
- Shot memory/Event memory / MACRO

2K(HD)/4K(UHD) 模式区别

大部分功能适用于HD&4K

	2K (HD) Mode	4K(UHD) Mode
DVE	Supported	Option (AV-UHS5M5)
Clip	2	1
Still	2	1

选购板



AV-UHS5M1G SDI Input Unit
SDI x 4 Inputs with FS and converter



AV-UHS5M2G SDI Output Unit
SDI x 4 Outputs with converter



AV-UHS5M3G HDMI Input Unit
HDMI x 3 Inputs with FS and Scaler



AV-UHS5M4G HDMI Output Unit
HDMI x 3 Outputs with Scaler



AV-UHS5M5G 4K DVE Unit
4K DVE Option



	AV-HS410	AV-UHS500
视频格式& I/O	SD/HD 1.5G SDI, DVI	HD/UHD 12G SDI, HDMI
# of HDMI/DVI I/O	DVI In x 1, Out x 1	HDMI Inx2, Outx2
Max. I/O	Max. 13 In*1, 10 Out*2	16 In*3, 15 Out*4
Converters (转换电路)	Supported as option (选件支持)	Up/Down/ 色彩校正 (w/ Limited I/O's as standard)
# of Keyer	KEY x 1, PinP x 2, DSK x 1	KEY x 3, DSK x 2
AUX Transition (AUX转换)	Dissolve (叠化) at AUX1 only	Dissolve/Key with AUX1/2
Multi Viewer	MV x 1	MV x 2 (HD 画质)
MACRO function	Not supported	Yes (same as HS6000)
PTZ Controls	Only 1 x PTZ Limited function	Multiple cameras with full control

*1: When installing 2 x Input options (Total of SDI and DVI inputs) *2:When installing Output options (Total of SDI & DVI outputs)

*3: When Installing 2 x SDI Input options (Total of SDI and HDMI inputs) *4: When installing 2 x SDI Output options (Total of SDI and HDMI outputs)

AV-HS410



AV-UHS500



7" LCD
(非触摸屏)

更新的操纵杆

摄像机连接按钮

宏键

上键按钮

PTZ 按钮

更新备选插槽

选购板插槽x2

千兆网口

HDMI Out x 2

12G SDI Out x 5

HDMI In x 2

12G SDI In x 8



Standard Outputs

Standard Inputs		HDMI*1		SDI				
		2	1	5	4	3	2	1
4K	Simple Down Conversion*2	-	-	●	●	●	●	●
BT.709 <-> BT.2020		-	-	●	●	●	●	●
HDR <-> SDR		-	-	●	●	●	●	●

- *1: Standard HDMI outputs support system video format only. No scalar function available.
- *2: Standard SDI outputs supports only Simple Down Conversion to 1080P video for Monitoring purpose.

Optional Outputs

Optional Inputs		AV-UHS5M2 SDI				AV-UHS5M4 HDMI		
		4	3	2	1	3	2	1
4K	Down Conversion	●	●	●	●	-	-	-
Scaler		-	-	-	-	●	●	●
BT.709 <-> BT.2020		●	●	●	●	●	●	●
HDR <-> SDR		●	●	●	●	●	●	●

Standard Inputs

Standard Inputs		HDMI		SDI							
		2*1	1*1	8	7	6	5	4	3	2*1	1*1
2K	Down Conversion	-	-	●	●	●	●	●*2	●*2	●*2	●*2
4K	Up Conversion	-	-	●	●	●	●	●*2	●*2	●*2	●*2
Frame Synchronizer		●	●	●	●	●	●	●	●	●	●
Scaler		●	●	-	-	-	-	-	-	-	-
BT.709 <-> BT.2020		-	-	●	●	●	●	●	●	●	●
HDR <-> SDR		-	-	●	●	●	●	●	●	●	●
Color Correction		-	-	●	●	●	●	-	-	-	-

- *1: SDI Input 1 & 2 are shared with HDMI Input 1 & 2. Not possible to use them simultaneously.
- *2: Filter of I-P conversion on SDI Input 1-4 are fixed and simple conversion only.

Optional Inputs

Optional Inputs		AV-UHS5M1 SDI				AV-UHS5M3 HDMI		
		4	3	2	1	3	2	1
2K	Down Conversion	●	●	●	●	-	-	-
4K	Up Conversion	●	●	●	●	-	-	-
Frame Synchronizer		●	●	●	●	●	●	●
Scaler		-	-	-	-	●	●	●
BT.709 <-> BT.2020		●	●	●	●	●	●	●
HDR <-> SDR		●	●	●	●	●	●	●
Color Correction		●	●	●	●	●	●	●

输入状态显示

输入信号状态可在输入菜单中显示

SDI Input

Status	Format	Audio	Color Space
	1080/59.94i	****	SDR BT.709

HDMI Input

HDMI Status	Size	Dot Clock	H-Frequency	V-Frequency
	3840x2160	296.7MHz	67.4kHz	30.0Hz

色彩校正功能

(SDI 5-8 和 AV-UHS5M1 提供)

MENU: Input (SDI) / SDI IN5						MACRO		
C/C	C/C							
Operation	Off	On						
C/C	Y-Gain	100.0	Pedestal	0.0	C-Gain	100.0	Hue	0.0
Process	[Progress Bars]							
C/C	Red	0.0	Green	0.0	Blue	0.0	RGB Link	
Tone1 Black	[Progress Bars]						Off On	
C/C	Red	33.3	Green	33.3	Blue	33.3		
Tone2 Gray L	[Progress Bars]							
C/C	Red	66.6	Green	66.6	Blue	66.6		
Tone3 Gray H	[Progress Bars]							
C/C	Red	100.0	Green	100.0	Blue	100.0		
Tone4 White	[Progress Bars]							
C/C	R-G	0.00	R-B	0.00	G-R	0.00	G-B	0.00
Matrix R/G	[Progress Bars]							
C/C	B-R	0.00	B-G	0.00				
Matrix B	[Progress Bars]							

SDI 输出

标准SDI 输出	下变换4K to 1080p*2
AV-UHS5M2 选购板	下变换 4K to 1080P*2, 1080i or 720P

HDMI 输出

标准 HDMI 输出	仅限本地视频
AV-UHS5M4 选购板	本地或PC格式 颜色格式选择 比例选择

Standard Outputs

	System Format	Output format
SDI	2160/59.94P	2160/59.94P or 1080/59.94P*2
	2160/50P	2160/50P or 1080/50P*2
	2160/29.97P*1	2160/29.97P
	2160/25P*1	2160/25P
	2160/24P*1	2160/24P
	2160/23.98P*1	2160/23.98P
	Other format	System format only*2
HDMI	All format	System format only

SDI 输出选购板(AV-UHS5M2)

	系统格式	输出格式
SDI	2160/59.94P	2160/59.94P, 1080/59.94P*2, 59.94i or 720/59.94P
	2160/50P	2160/50P, 1080/50P*2, 50i or 720/50P
	2160/29.97P*1	2160/29.97P or 1080/29.97Psf
	2160/25P*1	2160/25P or 1080/25Psf
	2160/24P*1	2160/24P or 1080/24Psf
	2160/23.98P*1	2160/23.98P or 1080/23.98Psf
	Other format	System format only*2

HDMI 输出选购板(AV-UHS5M4)

	输出设定	选择
HDMI	Size	Auto, WQHD (2560 x 1440, 60Hz), WUXGA (1920 x 1200, 60Hz), UXGA (1680 x 1200, 60Hz), WSXGA+ (1680 x 1050, 60Hz), SXGA (1280 x 1024, 60Hz), WXGA (1280 x 768, 60Hz), XGA (1024 x 768, 60Hz), Native
	Color	Auto, RGB, YUV444, YUV422
	Scale	Fit-V, Fit-H, Full, Full90%, Full80%
	Move Detect (Filter)	1 - 5

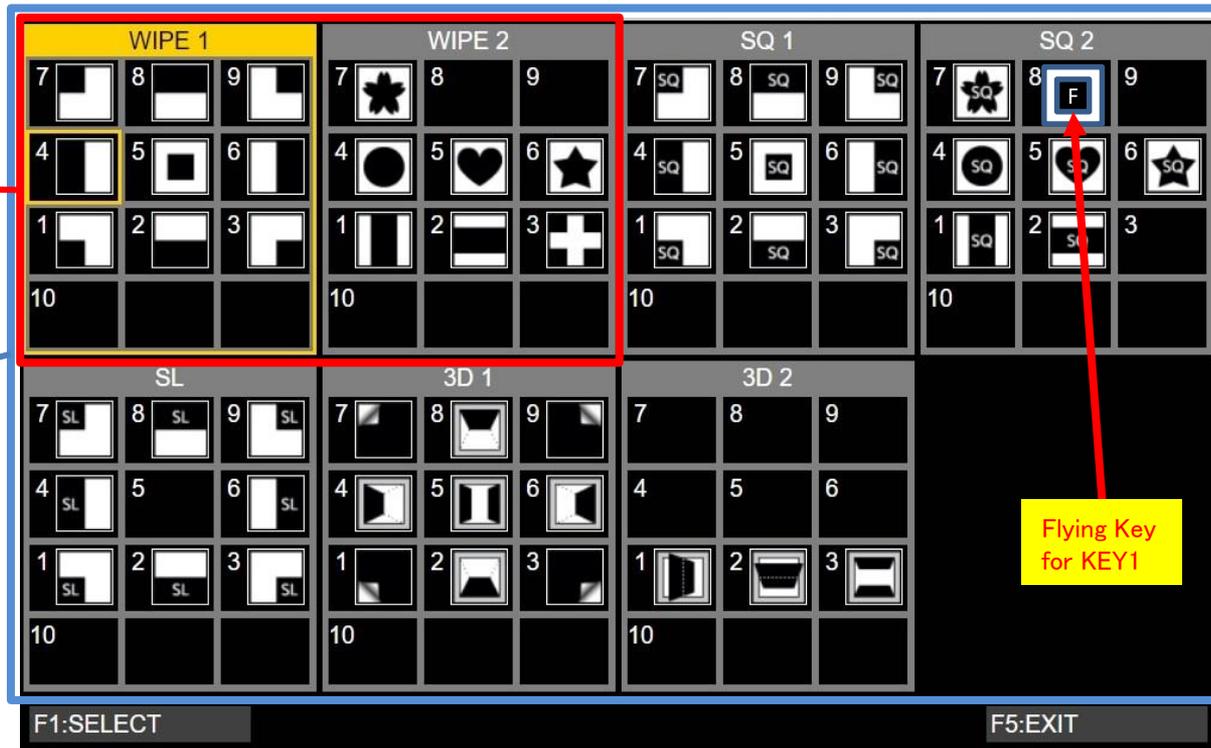
*1: 2160/29.97P, 25P, 24P and 23.98P will be available as system format with future update.

*2: Only Level-A output is available with 3G SDI outputs

- 高清模式支持所有转换模式
- 在4K模式下, SQ1/SQ2/SL/3D 1和3D 2模式需要4K DVE选项

4K模式下划像模式仅
WIPE1&WIPE2可用。

DVE模式仅在HD模式下可
用, 或4K模式下提供4K
DVE选项



- 共5个键功能 2 x PinP & 2 x 色键
- DSK1/2 可分配到AUX 1/2

- HD Mode, 4K mode with DVE Option

	Lin/Lum	Full	Mask	Edge	Chroma	PinP	Flying Key
Key1	●	●	●	●	●	-	●
Key2	●	●	●	●	-	●	-
Key3	●	●	●	-	-	-	-
DSK1	●	●	●	-	●	●	-
DSK2	●	●	●	-	-	-	-

- 4K mode without DVE Option

	Lin/Lum	Full	Mask	Edge	Chroma	PinP	Flying Key
Key1	●	●	●	●	●	●	-
Key2	●	●	●	●	-	-	-
Key3	●	●	●	-	-	-	-
DSK1	●	●	●	-	●	●	-
DSK2	●	●	●	-	-	-	-

2通道超高清色键(CKEY)

-实现高质量UHD色度键(R)

采用下列非线性系统

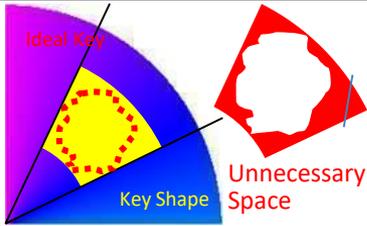
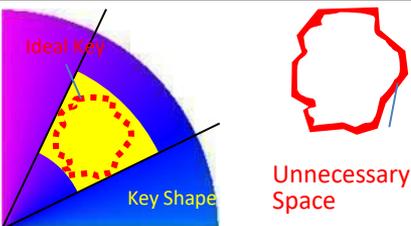
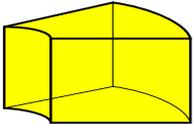
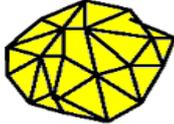
Adobe After Effects

Apple Final Cut Pro / Motion

Avid Media Composer / Xpress Pro

-硬件实时处理

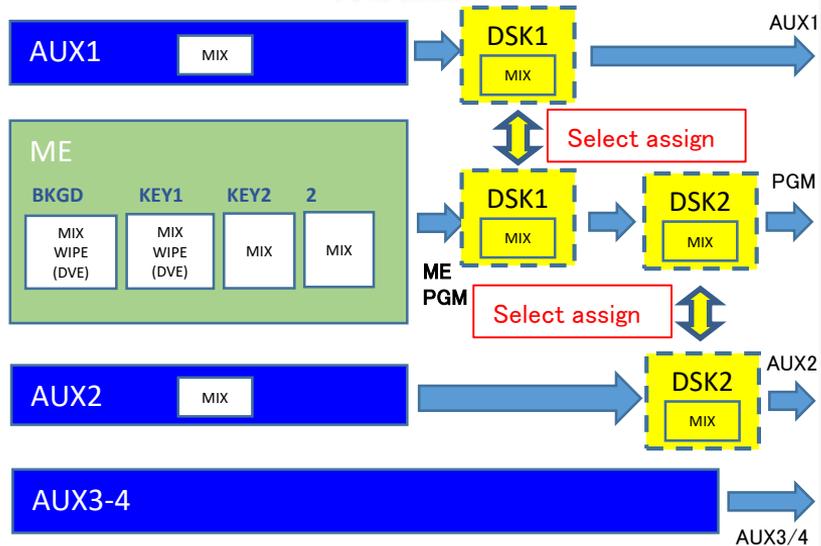


方法	总则 (扇形)	AV-UHS500 (多面体)
色域空间 (2维)		
色彩空间包括Y信号 (3维)	 禁用 to adjust for Y-dimension	 128 平面 的多面体
不必要的空间	△	最小空间

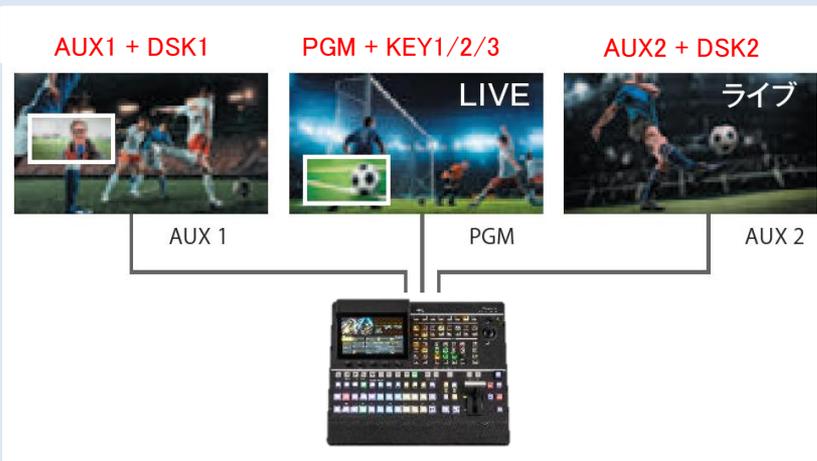
- Primatte(R) is designed by IMAGICA DIGIX Inc and a registered trademark
- The copyrights of Primatte(R) belong to IMAGICA DIGIX Inc.
- The patents for Primatte(R) belong to IMAGICA DIGIX Inc.

- Mix transition on AUX 1 & 2
- DSK1/2 可分配到AUX 1 & 2

内部框图



3个独立输出



Config Menu setting



将DSK½分配给AUX 1/2时选择ON

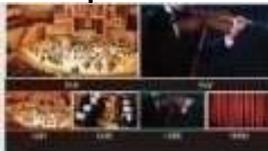
4 Split Pictures



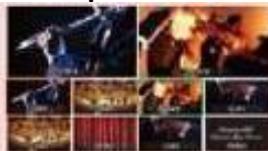
5a Split Pictures



6a Split Pictures



10a Split Pictures



9 Split Pictures



5b Split Pictures



6b Split Pictures



10b Split Pictures



16 Split Pictures



- 1. 两个画分中的每一个都可以分为16个模式（最多可在显示器上显示32个模式）
- 2. 共20种分屏模式（10种Fit+10种SQ模式）

分割新模式

12 Split Pictures



* 12分割模式在720P模式下不可用

分割屏幕尺寸



Fit: 分割画面的大小与拆分屏的大小相同。

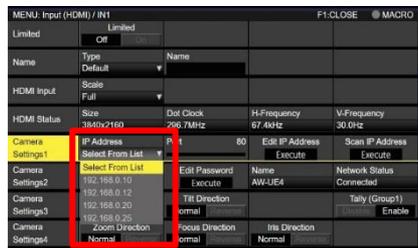
SQ: 分割画面的大小比分屏小，并且源名称、电平表等显示在拆分屏幕的外部。

- # of PTZ Cameras : 可控制8台摄像机
- Control Item : 摇移 / 旋转 / 速度
预置位保存/调用
增益, 色彩, AWB, CAM菜单显示

PTZ 控制



PTZ 连接设置



简易IP地址设置功能
扫描全部已连接摄像机
从列表中选择目标云台
无需手动输入IP地址.

CAM CONT



CAM PMEM



CAM menu



System Format	# of Still Store	# of Clip Player	Mode	Max. Duration
HD 720P	2	2	Standard	7200 Frames (@720/59.94P : Approx. 120 Sec.)
			High Quality	3600 Frames
HD 1080i/P/Psf	2	2	Standard	3600 Frames (@1080/59.94P: Approx. 60 Sec.)
			High Quality	1800 Frames
4K 2160P	1	1	Standard	900 Frames (@2160/59.94P: Approx. 15 Sec.)
			High Quality	450 Frames

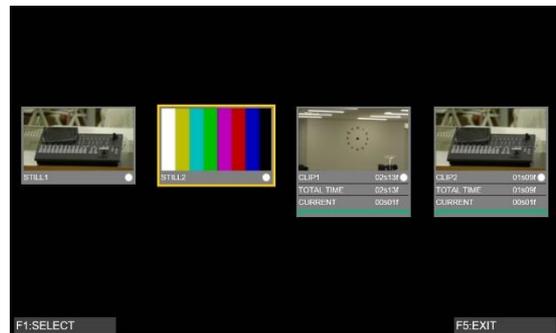
- 从视频输入 (AUX 1-4) 获取或从SD卡加载。

- 可录制视频、键、音频

- 动画/静帧图片在SSD中存储、调用

静帧格式: BMP, JPEG(jpg), TARGA(tga), Tiff(tif), GIF(gif), PNG(png)

动画格式: TBD.



Project (项目)

Load / Save all switcher setting from/to Internal SSD or SD Card.

Target
Setup
Shot
Event
Macro
Still
Clip

FILE NAME	SIZE	Setup	Shot	Event	Macro	Still	Clip	DATE
1202	1.2MB	On	On	On	On	Off	Off	2019/12/09 10:17
1211	1.8MB	On	On	On	On	Off	Off	2019/12/11 09:28
1219	1.8MB	On	On	On	On	Off	Off	2019/12/19 15:31
1219	3.0MB	On	On	On	On	Off	Off	2019/12/19 09:30
1220	3.5MB	On	On	On	On	Off	Off	2019/12/20 14:59

Video Format : 2160/59 94p Switcher Mode : 4K

F1-SORT F2-SELECT FILE F3-OK(PROTECT) F4-OK(LOAD) F5-CANCEL

Event Memory (时间线)

Load / Save ME & KEY events up to 100.

Target
ME
DSK
AUX
CBGD

Event Memory	PAUSE	CLIP	GPI-Out	MACRO
Mark	Off	Off	Off	
Event	00s30f	Set		
Duration		Execute		
Total	01s30f	Set		
Duration		Execute		
Timeline	View			
	Wide			

SHOT Memory (状态)

Load / Save ME & key status up to 100. Mix Transition and PinP movement are possible between SHOT Memories.

Target
ME
DSK
AUX
CBGD

No.	Name	EVENT	ME	DSK	AUX	CBGD	XPT
1-1	SHOT001	1	On	On	On	On	On
1-2	SHOT002	1	On	On	On	On	On
1-3	SHOT003	1	On	On	On	On	On
1-4							
1-5							
1-6	SHOT006	1	On	On	On	On	On
1-7							
1-8							
1-9							
1-10							

MENU: Shot Memory

Target	ME	DSK	AUX	MACRO
Select1	Off	On	On	On
Target	CBGD			
Select2	Off	On		

Register Page No. Rename

1 1 Execute

Path Effect Hue Path

Dissolve Short

MACRO (宏)

Load / Save operations up to 100. Each MACRO can be assign to MACRO bus button.

Target
ME
DSK
AUX
Menu
XPT
Other

MACRO	ME	DSK	AUX	MACRO
Store	Off	On	On	On
Select1	Off	On	On	On
Store	MENU	XPT	OTHER	
Select2	Off	On	On	On
Insert Delay	Time	00s30f	Set	
			Execute	
Macro Assign	XPT1	XPT2	XPT3	XPT4
1/6	No Assign	No Assign	No Assign	No Assign

总线开关颜色组

Assign 8 x different groups and set colors

MENU: Config					MACRO				
Button	Dimmer	Lighting	XPT Color	Transition Color					
Illumination	100%	100%	Input	Input					
Color Group	IN1	IN2	SDI IN3	SDI IN4					
SDI IN 1/2	Color Group1	Color Group1	Color Group1	Color Group1					
Color Group	SDI IN5	SDI IN6	SDI IN7	SDI IN8					
SDI IN 2/2	Color Group1	Color Group1	Color Group1	Color Group1					
Color Group	Black	CBGD 1	CBGD 2	CBAR					
Internal	Color Group1	Color Group1	Color Group1	Color Group1					
Color Group	Still 1V	Still 1K							
Still	Color Group1	Color Group1							
Color Group	Clip 1V	Clip 1K							
Clip	Color Group1	Color Group1							
Color Group	CLN	ME PGM	Key Out	Shift					
Other	Color Group1	Color Group1	Color Group1	Color Group1					
Color Group	AUTO	CUT	MIX	WIPE					
Transition	Color Group1	Color Group1	Color Group1	Color Group1					



亮度调节

Adjust brightness of LCD backlight

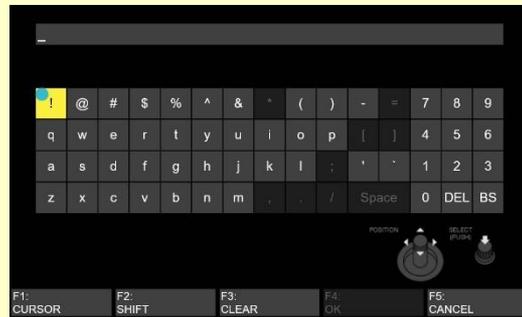
LCD Backlight	Light On	Adjust 100%		
Button Illumination	Dimmer 100%	Lighting 150%	XPT Color Input	Transition Color Input

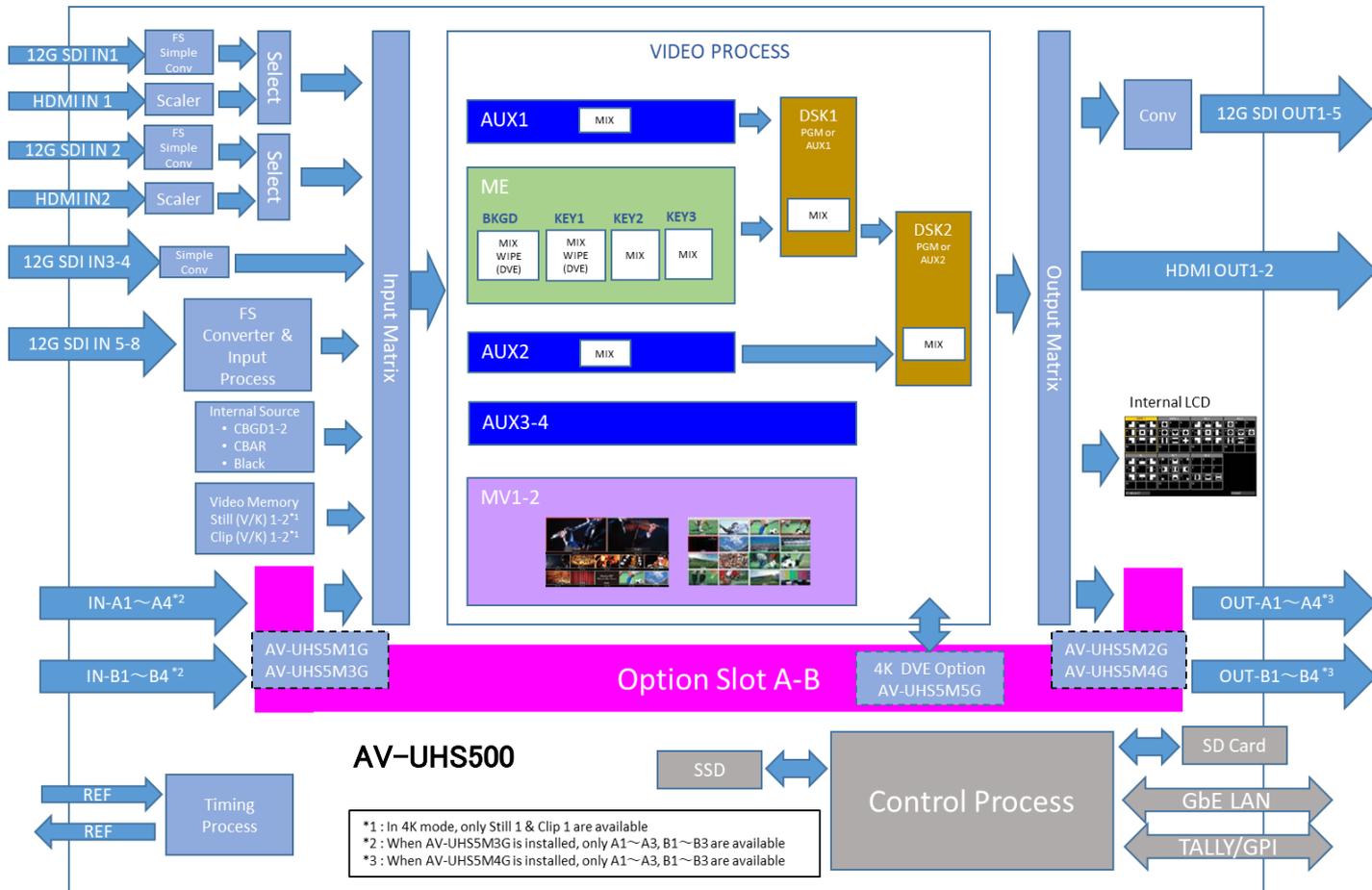
Adjust brightness of Lit button

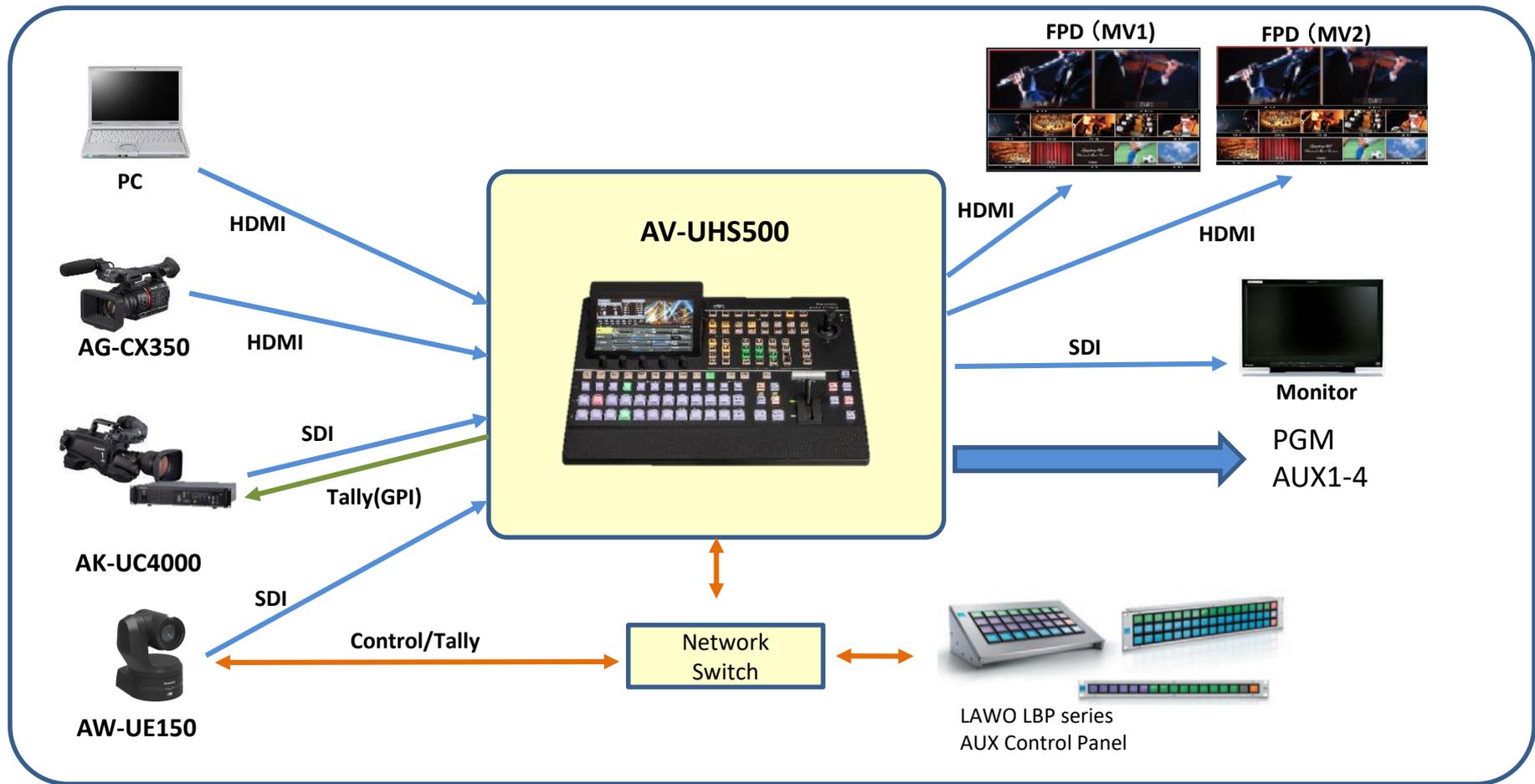
Adjust brightness of Backlight of buttons

通过操纵杆进行文本输入

Easy text inputs by Joystick for name inputs.







附录

租赁和分期



演播室



体育



剧院/大厅



小型转播车



AV-UHS500 Specifications 1/3

Power Supply	: AC(~) 100V to 240V, 50/60 Hz
Power consumption	: 1.5A (150W)
Ambient Operating Temperature	: 0°C to 40°C
Ambient Operating Humidity	: 10% to 90% (no condensation)
Storage Temperature	: 0°C to 40°C
Storage Humidity	: 10% to 90% (no condensation)
Weight	: Approx. 7kg
Dimensions (WxHxD)	: 440 mm x 360 mm x 170mm (excluding protrusions)

Video inputs	<p>Standard SDI: 8 (Max. +8 with options) All inputs equip with Frame Synchronizer function Simple format converter and Color Space converter function on SDI 1-4 Format converter, Color space converter and Color Corrector function on SDI 5-8 * SDI 1/2 inputs are shared with HDMI 1/2 12G-SDI : SMPTE 2082-10 std. compliant 3G-SDI : SMPTE292 std. compliant (Level-A/B supported) HD-SDI : SMPTE292M std. compliant</p>	BNC x 8
	<p>Standard HDMI : 2 (Max. +6 with options) Video format inputs: 2160/59.94P, 50P, 29.97P, 25P, 24P, 23.98P 1080/59.94p, 50P, 29.97P, 25P, 24P, 23.98P 720/59.94p, 50p PC inputs : 4k (3840 x 2160, 60Hz), WQHD (2560 x 1440, 60Hz), WUXGA (1920 x 1200, 60Hz), UXGA (1680 x 1200, 60Hz), WSXGA+ (1680 x 1050, 60Hz), SXGA (1280 x 1024, 60Hz), WXGA (1280 x 768, 60Hz), XGA (1024 x 768, 60Hz) Mode : Full / Fit-H / Fit-V Scaler function, Frame Synchronizer and Color Space converter function * CPRM is not supported * HDMI 1/2 inputs are shared with SDI 1/2</p>	HDMI x 2

Video outputs	<p>Standard SDI: 5 (Max. +8 with options) Downconverter(1080P) and Color Space converter function on each output Each output can be selected from following signals PGM, PVW, CLN, ME PGM, MV1-2, AUX1-4, KEY out 12G-SDI : SMPTE 2082-10 std. compliant 3G-SDI : SMPTE292 std. compliant (Level-A) HD-SDI : SMPTE292M std. compliant</p>	BNC x 5
	<p>Standard HDMI : 2 (Max. +6 with options) No Scaler function, outputs system format video only. Color Space converter function on each output Each output can be selected from following signals PGM, PVW, CLN, ME PGM, MV1-2, AUX1-4, KEY out</p>	HDMI x 2
Signal Format	<p>2160 / 59.94P, 50P, 29.97P*, 25P*, 24P*, 23.98P* 1080 / 59.94P, 50P, 29.97Psf, 25Psf, 24Psf, 23.98Psf, 59.94i, 50i 720 / 59.94P, 50P *Those formats will be supported with future update</p>	
Signal Processing	<p>Y:Pb:Pr 4:2:2/10bit R:G:B 4:4:4/ 8bit, 4:2:2/10bit</p>	
ME Number	1 ME	

REF Terminal	<p>Genlock mode : BB(Black Burst), Advanced BB, Tri-level or Internal *Loop Through output is available when BB, Advanced BB or Tri-level mode is selected. *If the loop-through output is not used, provide a 75Ω termination *Use same frequency signal as System mode *In the 2160/24P, only Tri-level SYNC or Internal mode works *In the 2160/23.98P or 1080/23.98Psf format, Tri-level or BB with 10 FID works *Advanced BB mode : Signal outputs with advanced timing *Internal mode : BB signal will be output from both connectors</p>		BNC x 2
Latency	1 Line	In case of Frame Synchronize is OFF, and no signal conversion	
	1 Frame	In case of Frame synchronizer is ON or Signal conversion is active	
	Additional up to 1 Frame delay is added when using PinP, DVE, Multi Viewer, Down converter or HDMI inputs		
Control Terminals	LAN	<p>1000Base-T, Auto-MDIX support (For IP Control) CAT5e, STP (Shielded Twisted Pair) cable recommended Max. 100m</p>	RJ45 x 1
	Tally/GPI	<p>Inputs : 8 inputs, general-purpose, Photocoupler sensing Outputs : 19 outputs, select from R/G Tally or General purpose Alarm : 1 output, open collector output (Negative logic)</p>	
Other	SV/NM switch	<p>BOOT switch SV/NM (service/normal) for maintenance purpose Normally set this switch as the "NM" position</p>	

AV-UHS5M1 Specifications

Power Supply	: DC 12V provided from Main unit
Power consumption	: 1.2A (15W)
Ambient Operating Temperature	: 0°C to 40°C
Ambient Operating Humidity	: 10% to 90% (no condensation)
Storage Temperature	: 0°C to 40°C
Storage Humidity	: 10% to 90% (no condensation)
Weight	: Approx. 371 g
Dimensions (WxHxD)	: 112 mm x 167 mm x 42mm (excluding protrusions)

Video inputs	SDI 4 inputs All inputs equip with Frame Synchronizer function Format converter function Color space converter function Color Corrector function		BNC x 4
	12G-SDI	SMPTE 2082 std. compliant with 0.8 Vp-p \pm 10%(75 Ω), Automatic Equalizer 80m	
	3G-SDI	SMPTE292 std. compliant (Level-A/B supported) with 0.8 Vp-p \pm 10%(75 Ω), Automatic Equalizer 100m	
	HD-SDI	SMPTE292M std. compliant with 0.8 Vp-p \pm 10%(75 Ω), Automatic Equalizer 100m	

AV-UHS5M2 Specifications

Power Supply	: DC 12V provided from Main unit
Power consumption	: 1.2A (15W)
Ambient Operating Temperature	: 0°C to 40°C
Ambient Operating Humidity	: 10% to 90% (no condensation)
Storage Temperature	: 0°C to 40°C
Storage Humidity	: 10% to 90% (no condensation)
Weight	: Approx. 371 g
Dimensions (WxHxD)	: 112 mm x 167 mm x 42mm (excluding protrusions)

Video outputs	SDI 4 outputs Down converter function Color space converter function Each output can be selected from following signals PGM, PVW, CLN, ME PGM, MV1-2, AUX1-4, KEY out		BNC x 4
	12G-SDI	SMPTE 2082-10 std. compliant with 0.8 Vp-p \pm 10%(75 Ω)	
	3G-SDI	SMPTE292 std. compliant (Level-A) with 0.8 Vp-p \pm 10%(75 Ω)	
	HD-SDI	SMPTE292M std. compliant with 0.8 Vp-p \pm 10%(75 Ω)	

AV-UHS5M3 Specifications

Power Supply	: DC 12V provided from Main unit
Power consumption	: 1.3A (16W)
Ambient Operating Temperature	: 0°C to 40°C
Ambient Operating Humidity	: 10% to 90% (no condensation)
Storage Temperature	: 0°C to 40°C
Storage Humidity	: 10% to 90% (no condensation)
Weight	: Approx. 353 g
Dimensions (WxHxD)	: 112 mm x 166 mm x 42mm (excluding protrusions)

Video/PC inputs	<p>HDMI 3 inputs Video format inputs: 2160/59.94P, 50P, 29.97P, 25P, 24P, 23.98P 1080/59.94p, 50P, 29.97P, 25P, 24P, 23.98P 720/59.94p, 50p</p> <p>PC inputs : 4k (3840 x 2160, 60Hz), WQHD (2560 x 1440, 60Hz), WUXGA (1920 x 1200, 60Hz), UXGA (1680 x 1200, 60Hz), WSXGA+ (1680 x 1050, 60Hz), SXGA (1280 x 1024, 60Hz), WXGA (1280 x 768, 60Hz), XGA (1024 x 768, 60Hz)</p> <p>Mode : Full / Fit-H / Fit-V Scaler function Frame Synchronizer Color corrector Color Space converter * CPRM is not supported</p>	HDMI x 3
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AV-UHS5M4 Specifications

Power Supply	: DC 12V provided from Main unit
Power consumption	: 1.3A (16W)
Ambient Operating Temperature	: 0°C to 40°C
Ambient Operating Humidity	: 10% to 90% (no condensation)
Storage Temperature	: 0°C to 40°C
Storage Humidity	: 10% to 90% (no condensation)
Weight	: Approx. 353 g
Dimensions (WxHxD)	: 112 mm x 166 mm x 42mm (excluding protrusions)

Video / PC outputs	HDMI 3 outputs Mode : Fit-V, Fit-H, Full, Full-90%, Full-80% Size : Auto, WQHD (2560 x 1440, 60Hz), WUXGA (1920 x 1200, 60Hz), UXGA (1680 x 1200, 60Hz), WSXGA+ (1680 x 1050, 60Hz), SXGA (1280 x 1024, 60Hz), WXGA (1280 x 768, 60Hz), XGA (1024 x 768, 60Hz), Native Scaler function Color Space converter Each output can be selected from following signals PGM, PVW, CLN, ME PGM, MV1-2, AUX1-4, KEY out	HDMI x 3
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Power Supply	: DC 12V provided from Main unit
Power consumption	: 1.1A (14W)
Ambient Operating Temperature	: 0°C to 40°C
Ambient Operating Humidity	: 10% to 90% (no condensation)
Storage Temperature	: 0°C to 40°C
Storage Humidity	: 10% to 90% (no condensation)
Weight	: Approx. 353 g
Dimensions (WxHxD)	: 112 mm x 166 mm x 42mm (excluding protrusions)

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