# Sony Live Production Switchers XVS Series

## Feature Summary
### Version 2.6
Planned Release at March/E 2018

February 2018

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| Common inputs between Logical Switchers in Resource Share mode | Sources can now be shared between logical switchers when Resource Share is enabled. |
| SMPTE ST21110 HD input and output with XKS-Q8111/Q8166 (40G IP) | XKS-Q8111/Q8166 can handle incoming/outgoing signals compliant with SMPTE ST2110 HD.<br><br>The number of inputs (Video/Audio/Meta; V/A/M) per board will be 8 in 1080i.<br><br>The number of outputs per board will be 16 (8 x V/A/M + 8 x V only) in 1080i. |
| SCS data synchronization between main and backup | If the main SCS is broken down while the XVS is running, it can minimize the down time by the time when the backup SCS starts running with disconnecting the network cable of the main SCS from the MVS LAN and then connecting the one of the backup to the MVS LAN.<br><br>The Web Maintenance Menu can show the system status for the main SCS.<br><br>Every data on the main SCS can be copied to the backup SCS with performing a copy operation on the Menu Panel via User LAN at any time.<br><br>Both the main and backup SCS can be shut down at the same time when carrying out system shut down.<br><br>The SCS main-backup environment can be configured on the Web Maintenance Menu. |
| Serial Tally over IP (Ethernet) | The Util LAN on SIU (MKS-X7700/X2700) will be utilized for Serial Tally over IP.<br><br>Serial Tally and AMP protocols can be utilized at the same LAN port.<br><br>2 devices can be controlled from a single SIU via IP (same as the spec with RS-422). |
| AMP over IP (Ethernet) | The Util LAN on SIU (MKS-X7700/X2700) will be utilized for AMP over IP.<br><br>Serial Tally and AMP protocols can be utilized at the same LAN port.<br><br>Up to 40 ports can be utilized on a single SIU over IP (AMP) and RS-422 (except for AMP).<br><br>1 folder layer will be accessible. No folder can be created via AMP over IP. Up to 5,000 folders can be recognized in a single device. A folder with its file name of up to 23 characters can be controlled.<br><br>A macro can select a folder on the device with a new macro event. VTR Timeline cannot select any folder. |

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| 4K dedicated M/E output expansion (XVS-8000) | The output board in Slot-2 in XVS-8000 will be able to output any M/E outputs which are selected in 4K system. (Up to 4 selected M/E outputs can be output.)<br><br>[Notes]<br><br>If any M/E outputs on a specified M/E bank are set as dedicated M/E output, DME cannot be utilized on this M/E bank. (This restriction will be applied when 4K DME board is launched and installed into the system)<br><br>Only SDI output board (XKS-S8165) can be installed to Slot-2. |
| Re-entry signal selection on 4K Sub Keys (XVS-8000) | Up to four specified re-entry signals can be selected as sources on 4K Sub Keys.<br><br>To select re-entry signals, physical outputs should be routed to the input board installed into Slot-1 with SDI cables.<br><br>[Notes]<br><br>Only SDI input board (XKS-S8110) can be installed to Slot-1.<br><br>It has not been decided on which output ports should be used for this function. |
| Re-entry signal selection on DME Ext Video In (XVS-8000) | Up to four specified re-entry signals can be selected as sources on DME Ext Video.<br><br>To select re-entry signals, physical outputs should be routed to the input board installed into Slot-1 with SDI cables.<br><br>[Notes]<br><br>Only SDI input board (XKS-S8110) can be installed to Slot-1.<br><br>It has not been decided on which output ports should be used for this function. |
| 720P from/to 1080P format conversion | When the system format is 1080P, 720P to 1080P format conversion for incoming signals by Input and Internal FC and 1080P to 720P format conversion for outgoing signals by Internal FC will be available.<br><br>This format conversion type can be set by the group of 4 ports, and all 16 ports in the SDI with FC input board and the Format Converter board will be available with this conversion.<br><br>If this format conversion is utilized, 1080i/1080P Level-B to 1080P Level-A conversion will be unavailable on the same board.<br><br>CCR and frame delay will be available with this format conversion at the same time but frame synchronizer will not. (CCR can be carried out in only Input FC) |

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| File Manager | File Manager – one of the web applications of XVS switcher – will be available.<br><br>File Manager can execute the following functions from a PC accessible to the XVS switcher.<br><br>• Switcher Setup Data Save/Load<br>• Resource Share Setup Data Save/Load<br>• Frame Memory Import/Load |
| Saving and loading Switcher Setup Data via File Manager | Switcher Setup Data Save and Load function will be utilized through File Manager.<br><br>The Switcher Setup Data on the XVS switcher can be saved as a file (zip file) onto a storage accessible from the PC.<br><br>A zip file of Switcher Setup Data can be loaded to an XVS switcher from the PC. |
| Saving and loading Resource Share Setup Data via File Manager | Resource Share Setup Data Save and Load function will be utilized through File Manager.<br><br>The Resource Share Setup Data on the XVS switcher can be saved as a file (zip file) onto a storage accessible from the PC.<br><br>A zip file of Resource Share Setup Data can be loaded to an XVS switcher from the PC. |
| Importing and loading Frame Memory via File Manager | Frame Memory Import and Load function will be utilized through File Manager.<br><br>Image files supported by XVS (TGA, PNG, BMP; including sequential image files) accessible from the PC can be imported to an XVS switcher with transcoding to Frame Memory native (SFH) files.<br><br>Frame Memory native (SFH) files accessible from the PC can be loaded to an XVS switcher. |
| Setup data copy on XPT Pad | Setup data on the XPT Pad can be copied between M/E (incl. Aux) rows as well as among pages.<br><br>By M/E row: Xpt Pad Btn Assign, Jump Page Assign, Home Page Set, Util Button Bus Assign (excl. Aux row), Display Mode Setting<br><br>By page: Xpt Pad Btn Assign, Jump Page Assign |
| Recognizable jump buttons on XPT Pad | Easy to recognize a jump button surrounding its page name with a framed rectangle. |

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| Copying panel data from Panel 1 to Panel 2 | The panel data (incl. Menu Macros) on the target Menu Panel can be copied to your own Menu Panel. (It cannot be made from your own Menu Panel toward the target Menu Panel to avoid an unexpected trouble on the target Menu Panel during e.g. on-air.)<br><br>The following register data can be copied at one time.<br><br>   • Menu Macros, Macros, Shot Boxes, Master Timeline, Master Snap Shot, Macro Timeline<br>[Note]<br><br>The previous register data deployed on the own Menu Panel will be removed when executing panel data copy. |
| Key Snap Shot registration to Shot Box | Key Snap Shot registers can be registered to the Shot Box registers. |
| Key Edge operation in 4K system | Key Edge function can be utilized in 4K 2SI system.<br><br>[Note]<br><br>This function cannot work in 4K SQD system. |