

MVS-3000

Sony Multi-format Production Switcher

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Affordable HD/SD Multi-format Switcher with Advanced New Control Panel

Sony is proud to introduce the MVS-3000, a new production switcher, into its mid-range switcher line up. This switcher inherits several characteristics and features from the well-established MVS Series, amassed from ten years of experience at the highest levels of the industry.

Compact and well-designed, this new production switcher is ideally suited for production studios, stadiums, houses of worship, and OB vehicles requiring multiple inputs in a limited space.

The MVS-3000 comes with sophisticated capabilities such as two mix effects (M/Es), four keyers per M/E, each with the MVS high-performance chromakey, 2.5D resizers, color correction and more. With the standard multi-viewer output, you save space on additional monitoring, enabling a reduction in your total system cost.

The control panel incorporates an attractive black design. It incorporates OLED mnemonic displays for optimal visibility and, of course, the intuitive operability that Sony users love.

The self-contained 4RU processor offers simple configuration, and is a logical choice for small production facilities that have limited installation space but refuse to compromise on quality.

The MVS-3000 is the compact yet powerful switcher from Sony that will help you to meet and exceed all of your production requirements.

Key Features

- **New custom-designed operational control surface**
 - Based on the proven MVS operational system; operators feel instantly at home with the new panel
 - OLED source name displays
 - Color source buttons for source grouping
- **Two mix effects (M/E) busses with four keyers per M/E**
 - Each keyer includes linear, luminance, pattern, and chromakey modes
 - Two keys per M/E include a 2.5D resize engine for picture-in-picture effects
- **Range of background transition effects**
 - DME transitions using the key resizer, wipes, mixes, etc.
- **Color correction for each input and AUX output**
- **Internal eight-channels frame memory**
 - Clip transition functionality for simple creation of animated transitions
 - Capacity for over 1,000 frames of HD stills or clips (HD mode)
 - Embedded audio support
- **Optional internal format converter (MKS-6550)**
 - Can be configured as eight-input and zero-output, or four-input and two-output channels
 - Frame delay and frame synchronization function (1080/59.94 and 50i modes)
- **Two channel multi viewer**
 - Two independent outputs
 - Choice of 10- or 4-way split display
 - Source name and tally display
- **Extensive memory system for saving and recalling**
 - Show set-up
 - Create, edit, and store / recall up to 250 macros per program to save custom button sequences
 - Keyframe, snapshot, and shotbox
- **Intuitive menu operation supporting standard VGA monitor/mouse and commercially available VGA touch panel monitors**
- **Wide selection of interfacing possibilities**
 - Four serial ports for remote device control (VTR, VDCP, DDR, etc)
 - Serial tally connection
 - Two remote ports for automation control
 - 48 Tally / GPI out, 18 Tally / GPI in
- **Redundant power supplies for processor and control panel**

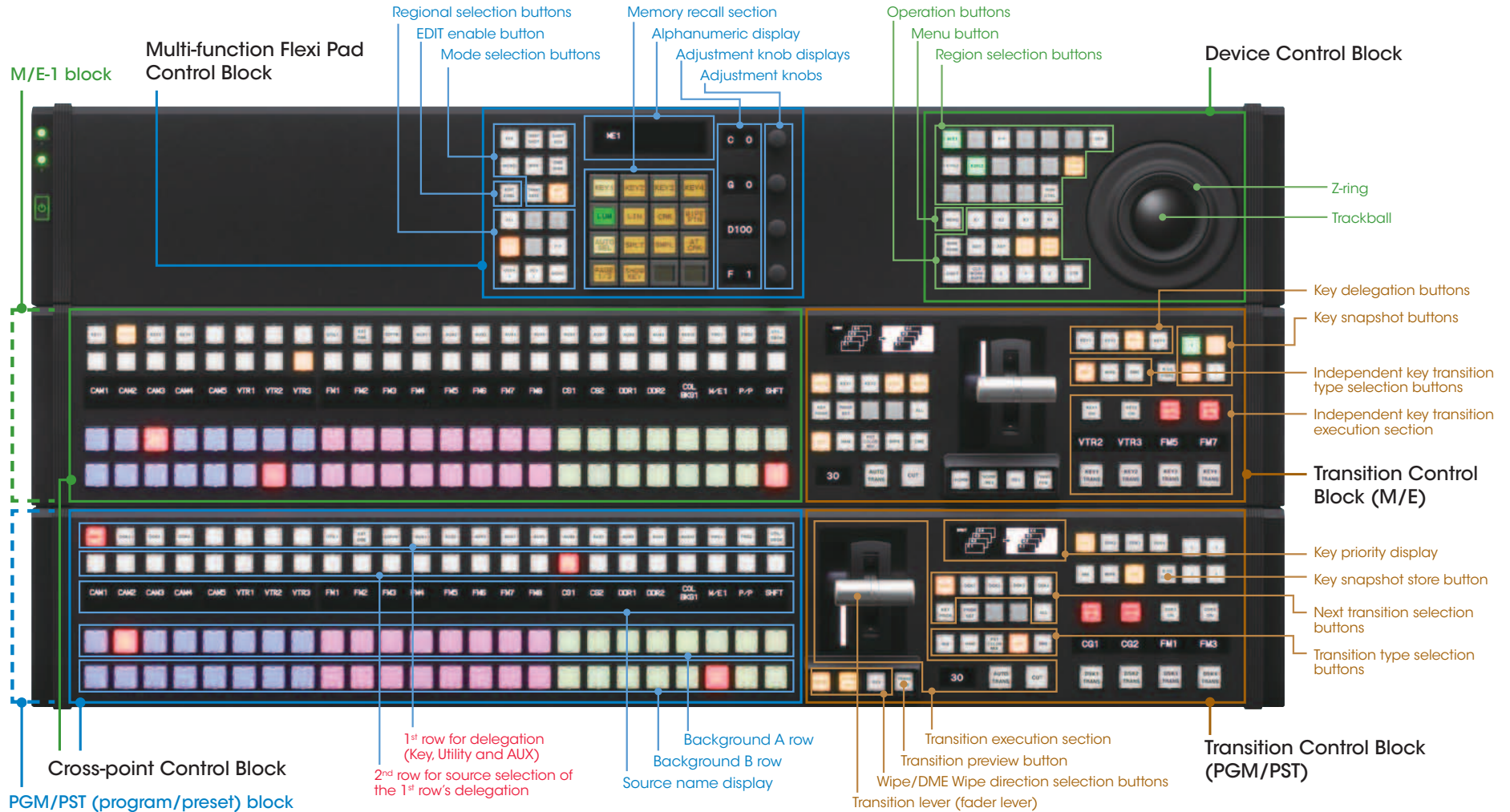


Clip Transition



*Simulated images.

Control Panel View



Cross-point Control Block

Use to select signals to be used in an M/E block or PGM/PST block

Multi-function Flexi Pad Block

Use to create, save, and recall snapshots, wipe snapshots, DME wipe snapshots, key snapshots and effects; also to carry out shot box recall, macro execution, transition rate settings, and key adjustments

Device Control Block

Use for key resizer position adjustment, for wipe pattern position setting, and for VTR/disk recorder/frame memory clip operation

Transition Control Block

Use to modify and switch outputs on an M/E block and PGM/PST block, and also perform transitions; you can perform both common transition and independent key transition operations

Specifications

MVS-3000 (Processor)

General	
Power requirements	AC 100 V to 240 V, ±10%, 50/60 Hz
Power consumption	4 A to 1.7 A (fully loaded)
Operating temperature	41°F to 104°F (5°C to 40°C)
Dimensions (W x H x D)	19 x 7 x 20 1/2 inches (482 x 176 x 520 mm)
Weight	Approx. 46 lb 4.8 oz (Approx. 21 kg) (fully loaded)
Video	
Signal format	SMPTE 292M (HDTV), SMPTE 259M-C (SDTV) 1080/59.94i, 1080/50i, 1080/23.978PsF, 720/59.94p, 720/50p, 480/59.94i, 576/50i
Inputs	BNC (x32) for primary inputs
Outputs	BNC (x16) (Assignable outputs (x12), Selectable outputs (x4) for Multiviewer, Format converter or Duplicate outputs)
Reference input	
	BNC (x2), 75 Ω with loop-through output, HDTV systems: HD tri-level sync/SDTV analog sync/analog black burst, SDTV systems: Analog black burst/analog sync
Control	
MVS LAN	RJ-45 (x1), 1000BASE-T
UTIL (SW)	RJ-45 (x1), 1000BASE-T
UTIL (SCU)	RJ-45 (x1), 1000BASE-T
Remote 1 to 4	D-sub 9-pin (x4), RS-422A
Remote S1 to S2	D-sub 9-pin (x2), RS-422A
Tally/GPI	D-sub 25-pin (x4), TTL level inputs (x18), Open collector outputs (x48)
Serial tally	D-sub 9-pin (x1), RS-422A
S-BUS	BNC (x1), 75 Ω
UTIL (FM)	RJ-45 (x1), 1000BASE-T
FM device	USB 2.0
Supplied accessories	
	75-ohm terminator (1), User's guide (CD-ROM (1)), Operating instructions (1), Installation manual (1)

ICP-3000 (Control Panel)

General	
Power requirements	AC 100 V to 240 V, ±10%, 50/60 Hz
Power consumption	0.95A to 0.6A (fully loaded)
Operating temperature	41°F to 104°F (5°C to 40°C)
Dimensions (W x H x D)	32 3/8 x 4 3/4 x 15 5/8 inches (821 x 120 x 396 mm)
Weight	Approx. 44 lb 1.5 oz (Approx. 20 kg) (fully loaded)
Control	
MVS LAN	RJ-45 (x1), 1000BASE-T
UTIL LAN	RJ-45 (x1), 1000BASE-T
USB	USB 2.0 (type-A x4)
External display	DVI-D OUT (x1) (SVGA 600 x 800 only)
Supplied accessories	
	Button top puller (1), Key top label, Operating instructions (1), Installation manual (1)

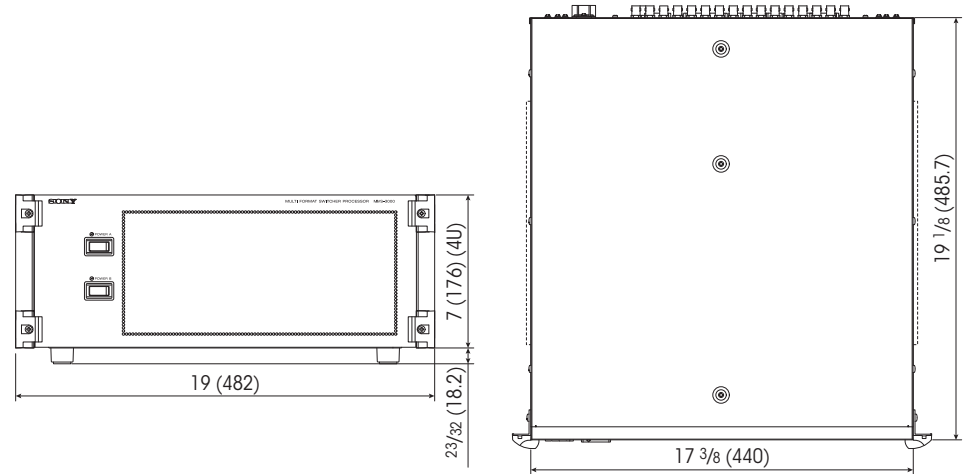
Optional accessories

Optional accessories	
Format converter board	MKS-6550 (Power requirements: DC12 V, Power consumption: Max. 50 W)

Dimensions

Units: inches (mm)

MVS-3000



ICP-3000

