MVS-12
MULTI-VIEWER/SWITCHER

Multi-Viewer with Simple Matrix Switcher
for Convenient Video Monitoring

Easily monitor and distribute input sources.
View all sources on a single HD display.

MULTI-VIEWER/SWITCHER MVS-12

INTUITIVE OPERATION

Quick setup and operation with a mouse. Rearrange screen structure with simple drag and drop motion. Select video source with a click of the mouse.

● Setup MENU also supports mouse operation.

MATRIX SWITCHER

Using the built-in Matrix Switcher function, 12 video sources are assignable to 4 different outputs. Use as a simple switcher.

MULTI-VIEW

There are four layout patterns to choose from. Aspect ratios, background color and source names can be selected from the MENU.

■ 12 Screen Layout

■ 10 Screen Layout ■ 9 Screen Layout ■ 4 Screen Layout

MEMORY & CONTROL

Four display setups can be saved and recalled from the 4 front panel memory buttons.
In addition, the MVS-12 can be controlled from a PC via LAN or RS-232C.

Multi-Viewer Display

PC

LAN

EDIROL by Roland

SETUP — MENU ▲ ENTER ◄ ▼ ► MOUSE

INPUT SELECT — 1 2 3 4 5 6 7 8 9 10 11 12

MATRIX OUT — 1 2 3 4

MULTI-OUT

MEMORY — 1 2 3 4

MULTI-VIEWER/SWITCHER MVS-12 POWER

MIDI OUT/THRU IN SER. NO. USE ROLAND PSB-1U ADAPTOR ONLY DC IN FC CE N225 RS-232C LAN

MODEL MVS-12 MADE IN JAPAN
Roland Corporation

MULTI-OUT (MENU) RGB HDMI

PREVIEW MATRIX OUT 2 1 4 3

VIDEO INPUT 6 5 4 3 2 1 12 11 10 9 8 7

MULTI-SOLUTIONS

Multi-viewer and Matrix switcher function enables system expansion.

Monitoring for Switcher

The MVS-12 is a perfect companion for the LVS-800 allowing you to preview all monitor outputs. Using a MIDI connection the PGM/PVM video source is displayed and indicated by a red frame and green frame (tally).

Camera 1 — IN 1
Camera 2 — IN 2
Camera 3 — IN 3
Camera 4 — IN 4
Camera 5 — IN 5
Camera 6 — IN 6
PC 1 — PC 1
PC 2 — PC 2

LVS-800
Video Mix/Live Switcher

Monitor 1 to 8 PGM, PVW

MIDI OUT MIDI IN

MVS-12

MULTI OUT RGB/HDMI

PGM OUT

Multi-Viewer Display

PVW (IN 2)		PGM OUT (PC2)
IN 1	IN 2	IN 3	IN 4
IN 5	IN 6	PC1	PC2
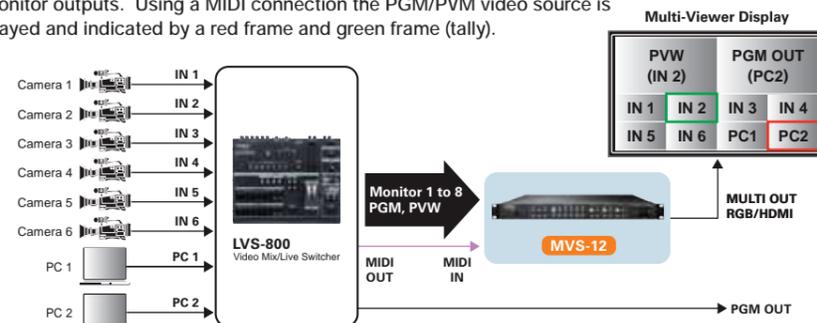
Monitoring for Video Installation

Video sources can be distributed to up to four different locations.

Multi-Viewer Display

IN 1	IN 2	IN 3
IN 4	IN 5	IN 6
Camera	DVD Player	Video Player

Matrix Output Display

| OUT 1 | OUT 2 |
| OUT 3 | OUT 4 |

Projector
Confidence Monitor
Video Recording
Back Stage

Camera (Stage) — IN 1
Camera (Stage) — IN 2
Camera (Stage) — IN 3
Camera — IN 7
DVD Player — IN 8
Video Player — IN 9

MVS-12 Inputs

MULTI OUT RGB/HDMI PREVIEW 1 2 3 4 MATRIX OUT
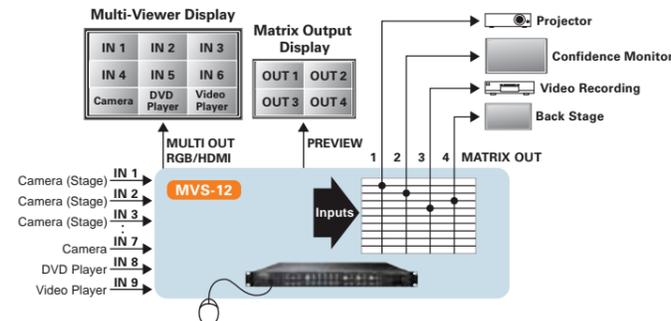
Expansion of SD Inputs

The Matrix Switcher function enables the V-1600HD mixer to access additional SD inputs. By connecting a MIDI cable and using the V-LINK function, the V-1600HD can directly select any video source from the MVS-12.

Multi-Viewer Display

IN 1	IN 2	IN 3	IN 4
IN 5	IN 6	IN 7	IN 8
IN 9	IN 10	IN 11	IN 12

MIDI OUT

MULTI OUT RGB/HDMI MIDI IN MATRIX OUT1 SD IN

SD IN 1 ... 12

MVS-12

V-1600HD
Multi-format Video Switcher

select push SD

PGM OUT
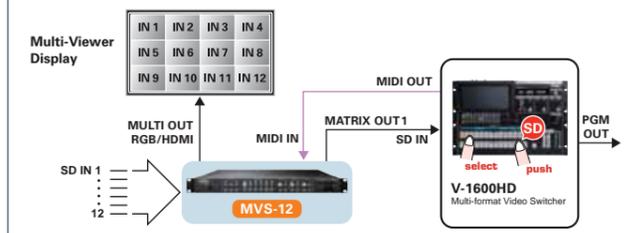
Please note that the MVS-12 does not function as a multi-viewer for the V-1600HD. The inputs and formats of the MVS-12 and the V-1600HD are not directly compatible. This example is an illustration of standard definition input expansion for the V-1600HD only.

■ Specifications

|					
Video Format	Composite: NTSC or PAL		**Connectors**	Output Connectors	HDMI (for MULTI-OUT, MENU) x 1 jack
	HDMI, PC-RGB: 1920 x 1080 (60 / 50 Hz), 1680 x 1050 (60 / 75 Hz), 1600 x 900 (60 / 75 Hz), 1440 x 900 (60 / 75 Hz), 1280 x 1024 (60 / 75 Hz), 1280 x 720 (60 / 50 Hz), 1024 x 768 (60 / 75 Hz) (Progressive Scan)				PC-RGB (for MULTI-OUT, MENU): D-Sub 15pin type x 1 jack
			Other Connectors		Ethernet 10 / 100Base-Tx RJ45 type x 1 jack
					RS-232C DB-9 type x 1 jack
Sampling Rate	4:2:2 (Y:B-Y:R-Y), 8-bit, 13.5 MHz (ITU-R BT.601)				MIDI IN 5-pin DIN type x 1 jack
					MIDI OUT / THRU 5-pin DIN type x 1 jack
Input / Output Level and Impedance	Composite: 1.0 Vp-p, 75 ohms				Mouse PS/2 type *Not bundled.
	PC-RGB: 0.7 Vp-p, 75 ohms (H, V : 5V TTL)		**Power Supply**		AC Adaptor (Accessory)
Connectors	Video Input	Composite: BNC type x 12 jacks	**Current Draw**		2 A
	Output Connectors	Composite (for MATRIX OUT): BNC type x 4 jacks	**Dimensions**		481 (430 without rack mount bracket) (W) x 320 (D) x 44 (H) mm, 19 (16-15/16 without rack mount bracket) (W) x 12-5/8 (D) x 1-3/4 (H) inches
		Composite (for MATRIX OUT Preview): BNC type x 1 jack	**Weight**		3.0 kg, 6 lbs 10 oz (without AC Adaptor)

[MONITOR] XGA (1024x768 pixels) or greater, HDMI or Analog RGB input is required.
[HDMI OUTPUT Connection] Audio is not supported. HDMI version is 1.2. Supports EDID when the setup is AUTO.
[RGB OUTPUT Connection] Manual pixel rate setup is needed.
[Aspect Ratio] In MULTI-OUT, display aspect and each input aspects can be adjusted individually. MATRIX OUTPUT has no aspect adjustment function.
[Switching] An mixed image before and after switching may appear on MATRIX Output at switching.

■ Dimensions

Unit: mm

430
304.8
12
481
43.6
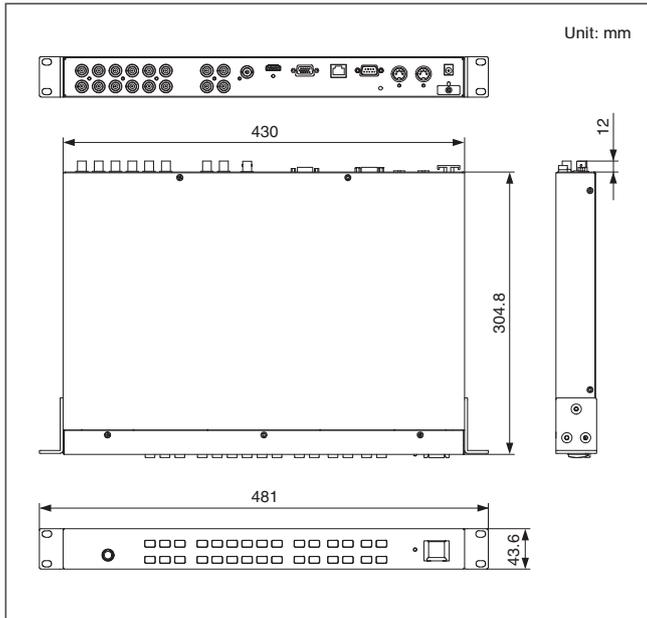
■ Video Mixers / Switchers

Innovative 8-channel Video Mixer with DSK
● 8 video inputs including 2 separate PC/RGB inputs
● Simple panel layout
● Downstream Keyer for seamless mixing under title/graphics

LVS-800
Video Mix / Live Switcher **V-LINK**
RGB COMPOSITE S-VIDEO

Powerful Eight Input Video Mixer
● 8 video inputs including built-in scan converter for RGB input
● Various video effects and transitions
● DV quality full digital processing

V-8
8-Channel Video Mixer **V-LINK**
RGB COMPOSITE S-VIDEO

An All-in-One Multi-Format Live Video Switcher
● Built-in monitor, scalers and Multi-format inputs and outputs
● DSK, Key Composition and PinP are controlled using simple operation.
● Various video equipments can be connected.

V-1600HD
Multi-Format Video Switcher **V-LINK**
HD-SDI SD-SDI DVI-D HDMI RGB
COMPONENT COMPOSITE S-VIDEO STILL IMAGE

Roland Systems Group

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WE DESIGN THE FUTURE

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