

SONY®

NTSC/PAL

Matrix Switchers

PVS-820S/880S/1240S/1680S



The PVS-820S/880S/1240S/1680S Matrix Switch use in various AV applications such as conference rooms which require high quality AV signal switching

FEATURES

AV-Input/output Matrix functions

- PVS-820S: 8 sets of input and 2 sets of output
PVS-880S: 8 sets of input and 8 sets of output
PVS-1240S: 12 sets of input and 4 sets of output
PVS-1680S: 16 sets of input and 8 sets of output

S-video Input and Output

For S-video signals, there are channels 1 to 4 for both input and output in the PVS-1680S/1240S/880S and there are channels 1 to 2 for

output in the PVS-820S. Signal from any input channel can be fed to any, some or all of the output channels.

* Although the video and S-video systems are switched simultaneously, a video input signal cannot be output via S-video output. Likewise, the S-video input signal cannot be output via video output.

Remote and RS-232C Ports

The REMOTE parallel port allows you make settings from an external location, the same as with the Crosspoint buttons. The RS-232C port can be used to control the PVS-1680S/ 1240S/ 880S from the

SRP-5000A system controller or a PC. Separated switching of the audio and is available with the RS-232C

Reference Video Input

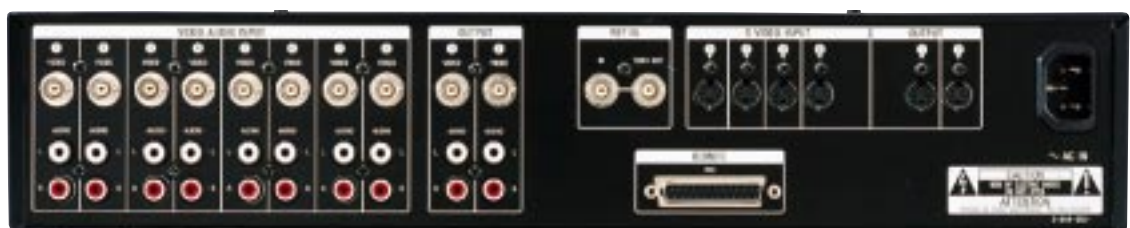
Inputting a reference video signal allows synchronized video signals to be switched without momentary deterioration of picture quality.

Memory Functions (PVS-1680S/1240S/880S)

Settings specified by the Crosspoint buttons of the PVS-1680S/1240S/880S can be stored in a memory up to

REAR PANEL

PVS-820S



PVS-1240S



*changers are an ideal equipment for
demonstrations or presentations,
and easy operation.*

■ DIMENSIONS

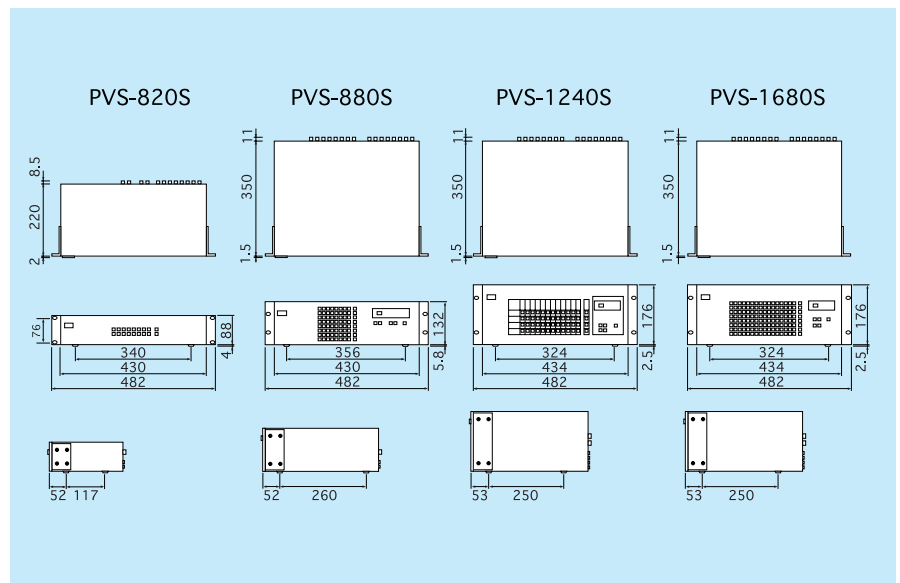
50 patterns, by using the memory buttons on the front panel or via the RS-232C interface, and likewise store settings can be recalled.

LOCK SWITCH

Supplied LOCK SWITCH to prevent against inadvertent operation.

Rack Mounting

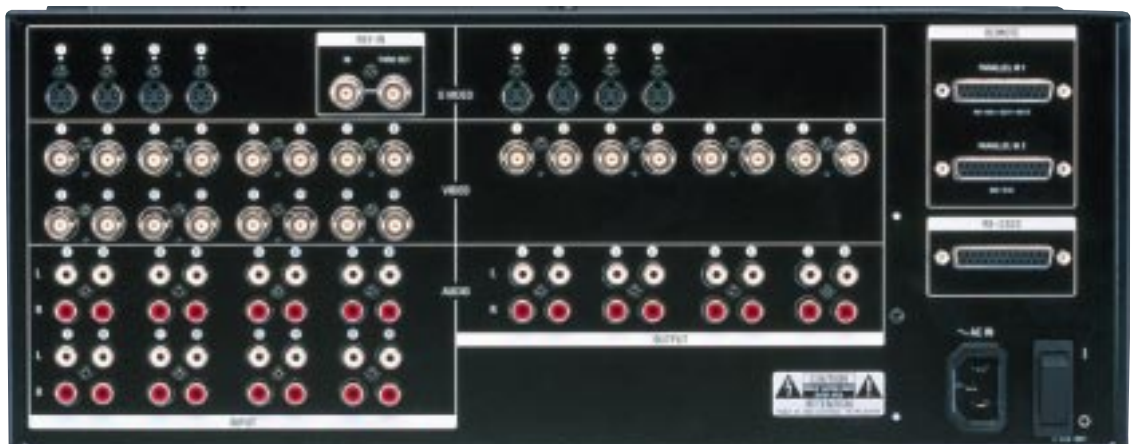
These models can be installed in a standard EIA 19-inch rack.
(PVS-1680S/1240S: 4U,
PVS-880S: 3U, PVS-820S: 2U high)



PVS-880S



PVS-1680S



SPECIFICATIONS

	PVS-1680S	PVS-1240S	PVS-880S	PVS-820S
AUDIO IN				
Type	Phono jack	Phono jack	Phono jack	Phono jack
Number of channels	16 (stereo)	12 (stereo)	8 (stereo)	8 (stereo)
Reference level	-10 dBu	-10 dBu	-10 dBu	-10 dBu
Max.level	+16 dBu	+16 dBu	+16 dBu	+10 dBu
Impedance	47 k Ω	47 k Ω	47 k Ω	47 k Ω
AUDIO OUT				
Type	Phono jack	Phono jack	Phono jack	Phono jack
Number of channels	8 (stereo)	4 (stereo)	8 (stereo)	2 (stereo)
Reference level	-10 dBu	-10 dBu	-10 dBu	-10 dBu
Max.level	+16 dBu	+16 dBu	+16 dBu	+10 dBu
Impedance	470 Ω	470 Ω	470 Ω	470 Ω
Load impedance	More than 10 k Ω	More than 10 k Ω	More than 10 k Ω	More than 10 k Ω
AUDIO				
Frequency characteristic T.H.D.	20 Hz - 20 kHz, +0.1/-0.5 dBu 0.005%	20 Hz - 20 kHz, +0.1/-0.5 dBu 0.005%	20 Hz - 20 kHz, +0.1/-0.5 dBu 0.005%	20 Hz - 20 kHz, +0.1/-0.5 dBu 0.005%
Crosstalk	(20 Hz - 20 kHz, -10 dBu load: 10 k Ω) Less than -80 dB (when fully inputting/ outputting 1 kHz, +10 dBu)	(20 Hz - 20 kHz, -10 dBu load: 10 k Ω) Less than -80 dB (when fully inputting/ outputting 1 kHz, +10 dBu)	(20 Hz - 20 kHz, -10 dBu load: 10 k Ω) Less than -80 dB (when fully inputting/ outputting 1 kHz, +10 dBu)	(20 Hz - 20 kHz, -10 dBu load: 10 k Ω) Less than -80 dB (when fully inputting/ outputting 1 kHz, +10 dBu)
S/N ratio	More than 95 dB (IHF-A, input short)	More than 95 dB (IHF-A, input short)	More than 95 dB (IHF-A, input short)	More than 95 dB (IHF-A, input short)
VIDEO IN				
Type	BNC	BNC	BNC	BNC
Number of channels	16	12	8	8
Impedance	75 Ω	75 Ω	75 Ω	75 Ω
VIDEO OUT				
Type	BNC	BNC	BNC	BNC
Number of channels	8	4	8	2
Impedance	75 Ω	75 Ω	75 Ω	75 Ω
S VIDEO IN				
Type	4-pin mini DIN	4-pin mini DIN	4-pin mini DIN	4-pin mini DIN
Number of channels	4	4	4	4
Impedance	75 Ω	75 Ω	75 Ω	75 Ω
S VIDEO OUT				
Type	4-pin mini DIN	4-pin mini DIN	4-pin mini DIN	4-pin mini DIN
Number of channels	4	4	4	2
Impedance	75 Ω	75 Ω	75 Ω	75 Ω
VIDEO (Composite)				
Frequency characteristics	50 Hz to 10 MHz +0.3/-1 dB	50 Hz to 10 MHz \pm 0.3/0.5 dB	50 Hz to 10 MHz + 0.3/-1 dB	50 Hz to 10 MHz + 0.3/-1 dB
Crosstalk	Less than -48 dB	Less than -48 dB	Less than -48 dB	Less than -48 dB
S/N ratio	More than 65 dB (100 KHz HPF, 5 MHz LPF)	More than 65 dB (100 KHz HPF, 5 MHz LPF)	More than 65 dB (100 KHz HPF, 5 MHz LPF)	More than 65 dB (100 KHz HPF, 5 MHz LPF)
DG	0.5%	0.5%	0.5%	0.5%
DP	0.5°	0.5°	0.5°	0.5°
K factor	Less than 0.3% (2T pulse)	Less than 0.3% (2T pulse)	Less than 0.3% (2T pulse)	Less than 0.3% (2T pulse)
REFERENCE VIDEO				
Type	BNC	BNC	BNC	BNC
Number of Input	2	2	2	2
Impedance	47 k Ω	47 k Ω	47 k Ω	47 k Ω
REMORTE (Parallel)				
Terminal form	(Only input) 25-pin D-SUB	(Only input) 25-pin D-SUB	(Only input) 25-pin D-SUB	(Input and Cascade Output) 25-pin D-SUB
Input type	Contact input (H CMOS level)	Contact input (H CMOS level)	Contact input (H CMOS level)	Make Contact input (TTL level)
ON-state voltage	Less than 1.2 V	Less than 1.2 V	Less than 1.2 V	Less than 1.5 V
OFF-state voltage	More than 3.15 V	More than 3.15 V	More than 3.15 V	More than 2.7 V
Input dielectric strength	30 V	30 V	30 V	30 V
Terminal voltage during opencircuit	5 V	5 V	5 V	4.5 V
Input pulse width	More than 100 msec	More than 100 msec	More than 100 msec	More than 20 msec
REMOTE (RS-232C)				
Type of connector	25-pin D-SUB	25-pin D-SUB	25-pin D-SUB	—
GENERAL				
Power supply	230 V AC, 50/60 HZ	120 V, 230 V AC, 50/60 Hz	120 V, 230 V AC, 50/60 Hz	120 V, 230 V AC, 50/60 Hz
Power consumption	25 W	18 W	17 W	17 W
Mass	13 kg	10 kg	10 kg	4 kg
dimensions	482 (W) X 176 (H) X 350 (D) mm	482 (W) X 176 (H) X 350 (D) mm	482 (W) X 132 (H) X 350 (D) mm	482 (W) X 88 (H) X 220 (D) mm

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