The Monitor of Tomorrow, Today

To meet the diversified requirements for monitor performance, Sony has developed the PVM-2030/2530 which have a unique cubic design, and many excellent features.
Thanks to their simple design, which incorporates a touch panel control and rectangular shape, these new monitors can be part of almost any display configuration required. Furthermore, they incorporate the technology adopted by professional use monitors to assure that the quality is at the high level required for demanding applications, including critical picture evaluation. In addition to this uncompromising performance and reliability, the PVM-2030/2530 are capable of accepting up to 4 sources (3 video and a microcomputer) for versatile system configurations.
Sophisticated and remarkable, the PVM-2030/2530 Cubic Monitor should be part of your next display unit.

PVM-2030

PVM-2530

Features

CUBIC STYLE— A NEW CONCEPT IN MONITORS

A totally new concept in monitor design, **THE CUBIC STYLE**, makes the PVM-2030/2530 unique. This new monitor styling makes the monitors almost the same size as the CRT which they house. What's more, by adopting a touch panel control instead of the usual knobs, the monitors look sleeker and more sophisticated than ever before. In addition to the new design, the PVM-2030/2530 have many excellent features. Stylish and functional, the PVM-2030/2530 Cubic Monitors will set new standards for performance and versatility.

SUPERIOR PICTURE QUALITY

Developed with the advanced technology used in professional monitors to enhance performance, the PVM-2030/2530 can provide professional-like pictures.

High Resolution

Thanks to the wideband video circuit and the delay line type aperture control, the PVM-2030/2530 can display sharp and clear pictures with a center resolution of 560 TV lines (composite input), 2000 characters (RGB input). However precise the details of a picture are, the cubic monitor will provide superb reproduction.

Fine and reliable picture performance

Equipped with comb filters, these new monitors are capable of accurately displaying a picture by reducing cross color. The automatic beam current system ensures the stability of the white balance. In addition, the velocity modulation circuit (PVM-2530 only) enables the monitor to create even finely detailed pictures. Also, to maintain high resolution in bright pictures, a magnetic quadrupole is provided (PVM-2530 only). These excellent and reliable picture performance features allow the PVM-2030/2530 to be used as critical picture evaluation monitors as well as display monitors.
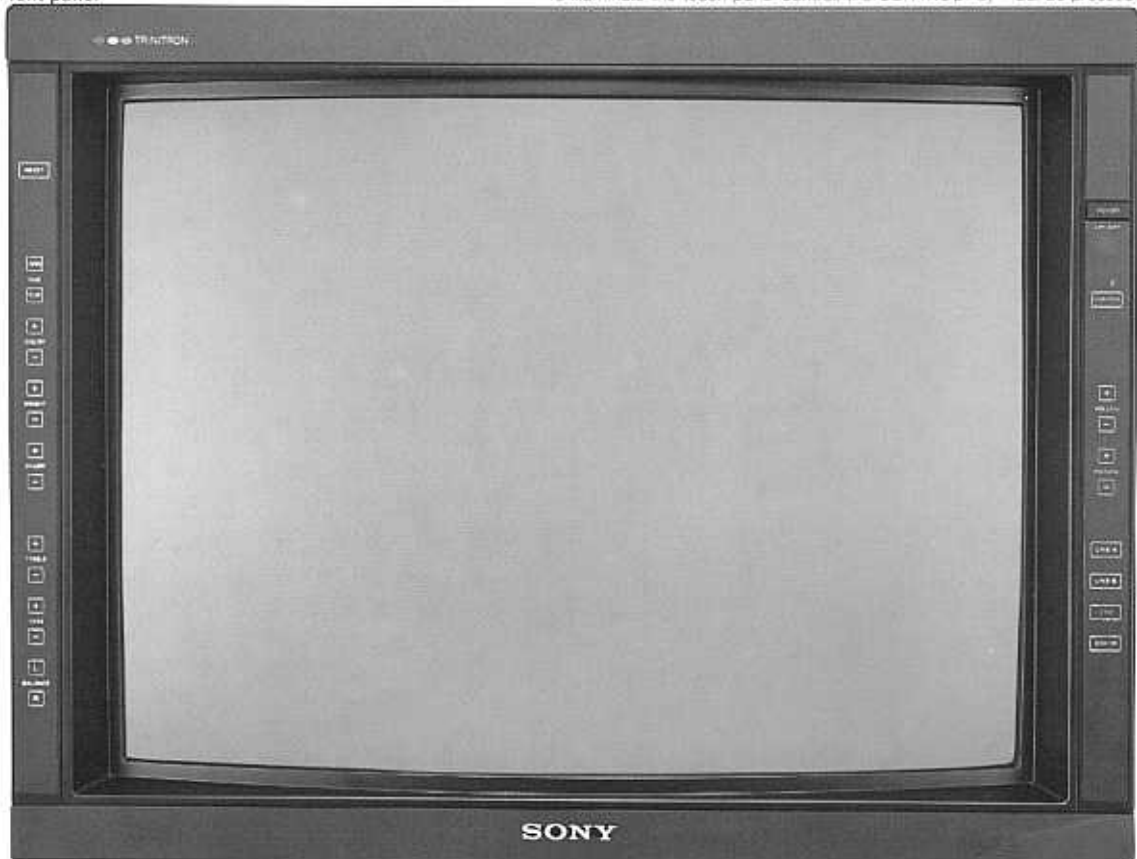
S video input facility

With the S video connector, luminance/chrominance separated video signals can be fed to the monitor, which reduces cross color/dot interference caused by the interference between the two signals, to assure high quality video signals. The PVM-2030/2530 can much more accurately reproduce video signals.

Manual Degauss

The PVM-2030/2530 have MANUAL DEGAUSS switches which demagnetize the screen when the effects of magnetism preclude the reproduction of the correct color. Thus, the accurate reproduction of pictures is always assured.
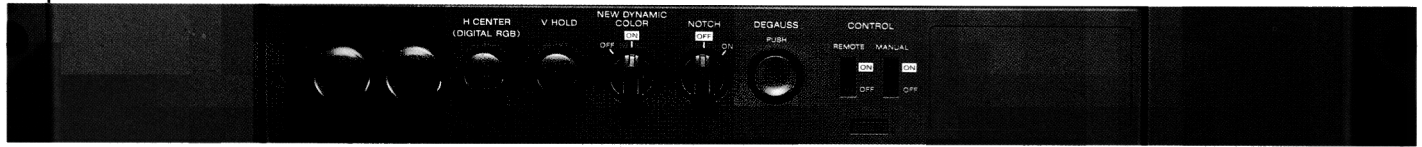

Front panel   * To illuminate the touch panel control, the CONTROL key must be pressed
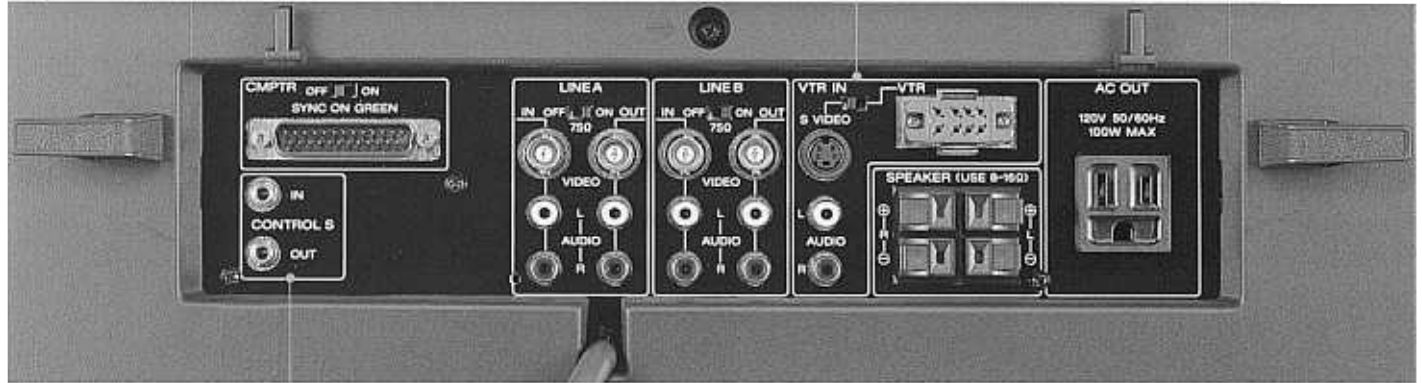
PVM-2530

H CENTER
(DIGITAL RGB)   V HOLD   NEW DYNAMIC COLOR   NOTCH   DEGAUSS   CONTROL
OFF ON   OFF ON   PUSH   REMOTE MANUAL
ON ON
OFF OFF

VTR/S-video selection switch
According to the selection, set this switch to VTR or S-video. However, regardless of the selection the front panel indication is VTR.

Rear panel connector section

CMPTR OFF ON
SYNC ON GREEN
LINE A   IN OFF ON OUT   750   VIDEO   L AUDIO R
LINE B   IN OFF ON OUT   750   VIDEO   L AUDIO R
VTR IN   S VIDEO   L AUDIO R   VTR
SPEAKER (USE 8-16Ω)
AC OUT   120V 50/60Hz   100W MAX
IN   CONTROL S   OUT

CONTROL S
Connect to the CONTROL S connectors of a VTR or other monitors.

EASE OF OPERATION

Touch panel control

The newly adopted touch panel control has clear and easily understood adjustment indications to enable easy operation. It is illuminated only while making adjustments so as not to disturb picture viewing.

Remote control

The supplied RM-739 Wireless Remote Control allows the user to make necessary remote adjustments easily. The WIRELESS and MANUAL control ON/OFF switches on the rear panel protect against accidental commands.

Last memory function

The last memory function makes the monitors retain the same control settings used before the power was turned off.

SYSTEM CONFIGURATION POSSIBILITIES

The PVM-2030/2530 are equipped with 25-pin RGB inputs and three video/audio terminals to handle up to 4 sources. In addition, the built-in interface makes the monitor compatible with IBM PCs with a CGA (Color Graphic Adaptor) board. For computer connections, the SYNC ON GREEN switch is provided to enable the monitor to accept RGB signals in which the Green channel is composed of the Green and Sync signals. What's more, when connected to the CONTROL S connectors of several monitors or a VTR, the monitor can control the system with single Remote Control RM-739. The PVM-2030/2530 can thus be used in a wide variety of applications.

DYNAMIC SOUND OUTPUT

Through the optional 2 way speakers (SS-X6A or APM-X5A), dynamic sound can be obtained. As these speakers are magnetically shielded to prevent interference, they can be attached directly to the monitor. These speakers assure that high quality sound will accompany the superior pictures.

Ivory-colored PVM-2030/2530 and speakers (SS-X6A) are also available.

PVM-2530 with optional tilt swivel stand (SU-539) and speakers (SS-X6A).

Cubic Monitors—Versatile & Dynamic

Application example—The Multiscreen Display

The PVM-2030/2530 design, THE CUBIC STYLE, enables the monitors to be arranged in almost any display configuration imaginable. When installed in a multiscreen display, the monitors can show dynamic and eye-catching pictures.
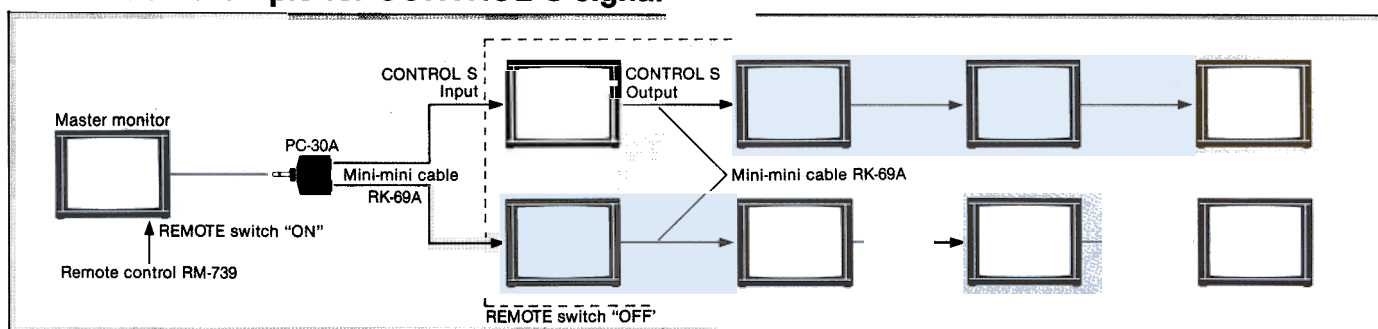
A multiscreen display of 9 PVM-2530s

Actual Photo

Simulated picture

Connection example for CONTROL S signal

NOTE: When creating a multiscreen display with the PVM-2030/2530, please contact your nearest Sony.

Specifications

CRT:	PVM-2030: 21″ fine pitch TRINITRON tube, visible picture size 50.6cm (20″) measured diagonally, 100° deflection Aperture Grill pitch 0.55mm
	PVM-2530: 27″ fine pitch TRINITRON tube, visible picture size 63.5cm (25″) measured diagonally, 114° deflection Aperture Grill pitch 0.73mm
Color system:	NTSC
Power requirements:	AC 120 V, 50/60Hz
Power consumption:	PVM-2030: 150W max., PVM-2530: 180W max.

Video input
- LINE A/B: Composite video, 1Vp-p, Sync negative, 75 ohms (switchable), loop-through BNC connector
- VTR: S VIDEO: Mini DIN 4-pin
  - Y (Luminance signal): 1Vp-p, Sync negative, 75-ohm terminated
  - C (Chrominance signal): 0.286Vp-p (burst signal) 75-ohm terminated
- VTR: 8-pin connector
  - Composite video, 1Vp-p, Sync negative, 75-ohm terminated
- *VTR or S VIDEO can be selected via the selection switch on the rear panel.

Computer input: Analog/TTL, D-sub 25 pin

Audio input
- LINE A/B: −5dBs, high impedance, loop-through Phono connector (× 2)
- VTR: S VIDEO: −5dBs, high impedance, Phono connector (× 2)
  - VTR: −5dBs, high impedance, 8-pin connector
- Computer input: D-sub 25 pin (See Pin assignment)

SPEAKER out:	PVM-2030: 8 ohms, max. 7W
	PVM-2530: 8 ohms, max. 15W

Resolution
- Video input: 560 TV lines
- RGB input: 2000 characters (640 × 200 dots)

Frequency response
- Video input: 6MHz
- RGB input: 10MHz

Line pull range:	Horizontal: ±500Hz, Vertical: −8Hz
Over scanning:	Less than +7%
Input return loss:	More than 35dB up to 4MHz
Zooming:	Within 5%
Color temperature:	9300° K
Weight:	PVM-2030: 30.5 kg (67 lb 4 oz)
	PVM-2530: 53 kg (116 lb 14 oz)
Dimensions:	PVM-2030: 516(W) × 409(H) × 481(D)mm (20³/₈ × 16¹/₈ × 19″)
	PVM-2530: 653(W) × 508(H) × 491(D)mm (25³/₄ × 20 × 19³/₈″)
Operating temperature:	0° ~ 40°C (32°F ~ 104°F)

Design and specifications subject to change without notice.

# CMPTR connector (25 pin) Pin assignment

Pin No.	Signal	Signal level
1	IBM select	High state (5V): IBM mode Low state: 3 Bit TTL
2	Audio select	High state (5V or open): Audio inputs from pin 13 Low state (less than 0.4V): Audio inputs from the LINE A/LINE B/S VIDEO AUDIO IN jacks or VTR connector
3	H. sync or composite sync	Negative polarity When the high state is selected at pin 9: 1Vp-p, 75-ohm terminated When the low state is selected at pin 9: TTL level
4	Blue input	Positive polarity When the high state is selected at pin 9: Analog signal
5	Green input	(0.7Vp-p, 75-ohm terminated, non-sync, 1Vp-p, 75-ohm terminated, with sync G-signal)
6	Red input	When the low state is selected at pin 9: Digital signal (TTL level)
7	No connection	—
8		
9	Analog/Digital mode select	High state (open): Analog signal (0.7Vp-p) Low state (ground): Digital signal (TTL level)
10	RGB/NORMAL mode select	High state (5V or open): RGB inputs from a microcomputer Low state (ground): Separate video input from the S VIDEO IN connector, or composite video inputs from the LINE A/LINE B VIDEO IN or VTR connectors
11	V-sync	Negative polarity TTL level
12	Blanking	High state (5V or open): Video inputs from a microcomputer only Low state (ground): Separate video input from the S VIDEO IN connector, or composite video inputs from the LINE A/LINE B VIDEO IN or VTR connectors During the low state, the video signal from the microcomputer is blanked and the video signal from the LINE A/LINE B VIDEO IN/S VIDEO IN or VTR connector is superimposed over the signal from the microcomputer.
13	Audio input	Input level −5dB (100% modulation), input impedance more than 47 K ohms
14	No connection	—
15-24	Ground	
25	IBM luminance signal	Positive polarity When the high state is selected at pin 1: TTL level When the low state is selected at pin 1: low state (ground)

Supplied accessory

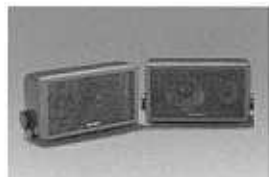Remote control RM-739

Optional accessories
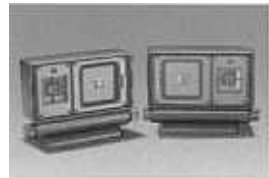
Speaker APM-X5A

Tilt swivel SU-538 (for PVM-2030)

Monitor stand SU-540 (for PVM-2030)

TV Stereo Tuner ST-72TV with RM-U72

Speaker SS-X6A

Tilt swivel SU-539 (for PVM-2530)

Monitor stand SU-541 (for PVM-2530)

Sony Corporation