



PVM-9L3

CHANGING

COLOUR VIDEO MONITOR

Offered as a new addition to the Sony PVM-L series, the PVM-9L3 is an affordable 9-inch CRT monitor incorporating a Sony HR Trinitron® CRT. With its compact design, excellent picture performance, full range of operational functions and high level of portability, the PVM-9L3 is designed to meet the demands of high-grade picture monitoring in a variety of programme-production applications.

THE WAY

Features

High Resolution

Thanks to the Sony HR Trinitron CRT, the PVM-9L3 achieves a remarkable horizontal resolution of 450 TV lines for precise and sharp image reproduction.

A Wide Variety of Optional Input Adapters

The PVM-9L3 is designed to accommodate a variety of optional input adaptors. Five optional boards are available, allowing the PVM-9L3 to be configured to accept SDI, SDTI-CP, DV, Analogue Component, and PAL-M signals, in addition to the standard inputs for Y/C and composite signals.

Blue Only Mode

The Blue Only mode enables signal noise to be easily evaluated. It also allows the monitor's chroma and phase adjustments to be made easily using SMPTE type colour bars*.

* NTSC only

High Quality Y/C Separation

When composite signals are input, Y/C separation is achieved using a high-grade digital comb filter to minimise the cross-colour interference and dot crawl inherent to composite signals.

Assignable Parallel Remote Port (Modular 8-pin)

Allows parallel control for functions such as Line A, Line B, Option A, Option B, Tally, Underscan, 16:9, Ext Sync, Blue Only, and Degauss.

Portability

The PVM-9L3 is compatible with Sony BP series batteries for convenient DC operation. Weighing only 8 kg (17 lb 10 oz), it has an integrated carrying handle on its top surface. A monitor hood/connector protector kit for ENG use is available as an optional accessory*1. The PVM-9L3 can also be mounted in a 19-inch EIA standard rack*2.

*1 VF-508 Monitor ENG Kit.

*2 MB-520 Mounting Bracket, and MB-509 Mounting Panel.

OSD (On Screen Display)

The OSD menu is available in 7 languages (English, German, French, Italian, Spanish, Japanese, and Chinese). The factory preset language is English. The OSD menu offers various picture settings and adjustments such as colour temperature/balance, chroma/phase, etc.

Two Colour Systems

The PVM-9L3 can display PAL or NTSC signals. The appropriate colour system is selected automatically when a signal is input.

Silver Support

A two year Silver Support Pack is included as standard with this monitor in the EU, Norway and Switzerland. Upon registration it provides a telephone helpdesk, cover for parts and labour, and a loan unit if the repair is likely to exceed 7 working days.

BUSINESS

COMMUNICATES

PVM-9L3 Specifications

GENERAL

CRT	CRT type	9-inch Trinitron
	AG pitch	0.25 mm
	Phosphor	P-22
	Effective picture size (4:3)	159.5 (W) x 117.0 (H) mm, 194.9 (Diagonal) mm
Resolution (4:3/16:9)		450 TV lines
Colour system		PAL, NTSC
Aperture correction		0 to 6 dB
Frequency response		6.0 MHz +0 dB/-3 dB
Synchronisation		AFC time constant 1.0 ms
Scanning frequency		15.734 kHz (NTSC), 15.625 kHz (PAL)
Normal scan		7% overscan
Underscan		5% underscan
Linearity	Horizontal	Less than 4%
	Vertical	Less than 4%
Convergence	Centre	0.4 mm (Typical)
	Peripheral	0.5 mm (Typical)
Raster size stability	Horizontal	1.0% (typical)
	Vertical	1.5% (typical)
HV regulation		3.0%
Colour temperature		D65/D93/User adjustable
Power requirements		AC 100 to 240 V, 50/60 Hz
Power consumption		AC:47 W, DC:38 W AC:58 W, DC:48 W (with BKM-150CP)
Dimensions (W x H x D)		Approx. 217 x 218 x 373 mm (8 5/8 x 8 5/8 x 14 3/4 inches)
Mass		Approx. 8.0 kg (17 lb 10 oz)

INPUT/OUTPUT

Line A	Composite	BNC, Loop-through, automatic 75 Ω termination 1.0 Vp-p +3 dB/-6 dB, sync negative
	Y/C	Mini Din 4-pin, Loop-through, automatic 75 Ω termination Y: 1.0 Vp-p, sync negative C: 0.286 Vp-p (NTSC) / 0.3 Vp-p (PAL)
	Audio	Phono jack, -5 dBu 47 kΩ or higher
Line B	Composite	BNC, Loop-through, automatic 75 Ω termination 1.0 Vp-p +3 dB/-6 dB, sync negative
	Audio	Phono jack, -5 dBu, 47 kΩ or higher
Ext.sync Input/Output		BNC, Loop-through, automatic 75 Ω termination, 4.0 Vp-p ± 6 dB, sync negative, usable tri-level sync signal 0.6 Vp-p ± 6 dB
Option slot	1x	
	Audio	Phono jack x 2, -5 dBu, 47 kΩ or higher
Remote	Parallel remote	Modular 8-pin (Assignable)
Speaker output		0.8 W (Distortion: Less than 5%)

CONTROL PANEL



Sony address/contact details/dealer stamp

REGULATION COMPLIANCE

UL1950, CSA No.950, EN60950, EN55103-1, EN55103-2, VCCI, FCC class A, IC class A, C-Tick, CE, JEITA, DHHS, DNHW, CCC, KTL

OPERATING CONDITIONS

Operating temperature	0 to +35 °C (+32 to +95 °F)
Storage temperature	-10 to +40 °C (+14 to +104 °F)
Operating humidity	35 to 85% (No condensation)
Storage humidity	0 to 90%

SUPPLIED ACCESSORIES

AC Plug Holder
Tally Number Plate (12)
Operation Manual
AC Cord

OPTIONAL ACCESSORIES

BKM-120D
SDI 4:2:2 Input Adaptor

BKM-129X
Analogue Component Input Adaptor

BKM-150CP
SDTI-CP/SDI Input Adaptor

BKM-155DV
DV Input Adaptor

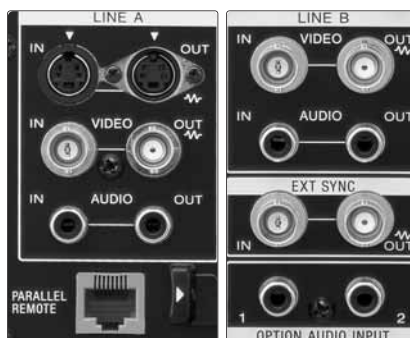
BKM-126M
PAL-M Input Adaptor

MB-520
Mounting Bracket

MB-509
Mounting Panel

VF-508
Monitor ENG Kit

CONNECTOR PANEL



SONY

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