



PVM-14L1MDE

COLOUR VIDEO MONITOR

Fully compliant with worldwide medical standards, the PVM-14L1MDE is a high-quality colour video monitor specifically designed for monitoring in medical applications. The monitor provides high resolution along with true-to life, reliable image reproduction and is the ideal monitor for image viewing in endoscopy, dental and ear-nose-throat applications.



Features

Excellent Picture Quality

High Resolution

The PVM-14L1MDE monitor provides clear and precise images with a resolution of 600 TV lines.

Beam-Current Feedback Circuit

Because monitor white balance is prone to drift during continuous operation over long periods of time, the PVM-14L1MDE is equipped with a beam-current feedback circuit. This corrects white balance drift, resulting in the long-term stability of colour reproduction.

Digital Comb Filter

The NTSC/PAL digital comb filter enhances the luminance/chrominance separation used to reduce cross-colour interference and colour noise, ensuring clear and highly detailed picture reproduction.

Meeting Medical Standards

Safety approval

The PVM-14L1MDE complies with key safety regulations including UL2601-1, CSA 601.1, EN 60 601-1, CCC, KTL and RPC, making it suitable for use in professional medical applications.

Fluid resistant and protected controls

Splash-proof covers are provided to prevent liquids from accidentally entering the monitor. A cover for the front panel is provided to prevent inadvertent operation.

Other Features

- Medical regulation compliant
- High resolution of 600 TV lines
- Beam current feedback circuit for colour balance stability
- Digital comb filter
- High quality Y/C separation
- Fluid resistant & control protection
- PAL, NTSC automatically detected
- On-screen menu in 6 languages
- Built-in speaker (0.5 W, monaural)
- Ground earth terminal
- Rack mountable
- 4:3/16:9 capability

CHANGING

THE WAY

BUSINESS

COMMUNICATES

PVM-14L1MDE Specifications

GENERAL

| | | |
|-----------------------------------|------------------------------|--|
| CRT | CRT type* | 14-inch Trinitron |
| | AG pitch | 0.25 mm |
| | Phosphor | P-22 |
| | Effective picture size (4:3) | 267.5 (W) x 200.6 (H) mm, 340.0 (Diagonal) mm |
| Centre Resolution (Y/C input 4:3) | | 600 TV lines |
| Colour system | | PAL, NTSC |
| Frequency response | | 8.0 MHz (±6 db) |
| Scanning frequency | | 15.734 kHz (NTSC), 15.625 kHz (PAL) |
| Normal scan | | 7% overscan |
| Linearity | Horizontal | Less than 8% (typical) |
| | Vertical | Less than 7% (typical) |
| Convergence | Centre | 0.4 mm (Typical) |
| | Peripheral | 0.5 mm (Typical) |
| Raster size stability | Horizontal | 1.0% (typical) |
| | Vertical | 1.5% (typical) |
| HV regulation | | 3.5% (typical) |
| Colour temperature | | D65/D93/User adjustable |
| Power requirements | | AC 100 to 240 V, 50/60 Hz |
| Power consumption (Typical) | | 80 W |
| Dimensions (W x H x D) | | Approx. 346 x 340 x 414 mm (13 5/8 x 13 1/2 x 16 3/8 inches) |
| Mass | | Approx. 15.0 kg (33 lb 1 oz) |

INPUT/OUTPUT

| | | |
|--------------|-----------|---|
| Line A | Composite | Loop-through BNC, 1.0 Vp-p +3 dB/-6 dB, sync negative, automatic 75 K termination |
| | Y/C** | Loop-through Mini Din 4-pin, automatic 75 K termination |
| | Y | 1.0 Vp-p, sync negative |
| | Audio | Phono jack, -5 dBu 47 kK or higher |
| Line B | Composite | BNC, 1.0 Vp-p, sync negative, automatic 75 K termination |
| | Y/C** | Mini Din 4-pin, automatic 75 K termination |
| | Y | 1.0 Vp-p, sync negative |
| | C | 0.286 Vp-p (NTSC), 0.3 Vp-p (PAL) 75 K termination |
| | Audio | Phono jack, -5 dBu 47 kK or higher |
| Audio output | | 0.8 W (Distortion: Less than 5%) |

REGULATION COMPLIANCE

UL-1950, CSA-950, EN 60950, VCCI class A, FCC class A, IC class A, C-Tick, CE (LVD), CE (EMC), JEITA, DHHS, DNHW, CCC, KTL, BSMI

OPERATING CONDITIONS

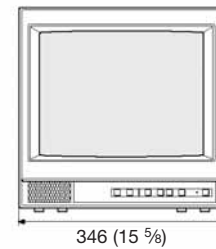
| | |
|-----------------------|--------------------------------|
| Operating temperature | 0 to +35 °C (+32 to +95 °F) |
| Storage temperature | -10 to +40 °C (+14 to +104 °F) |
| Operating humidity | 35 to 85% (No condensation) |
| Storage humidity | 0 to 90% |

* Viewable area, measured diagonally.

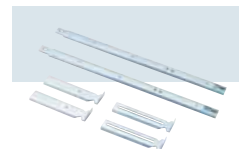
** The Y/C input has priority over the composite input.

DIMENSIONS

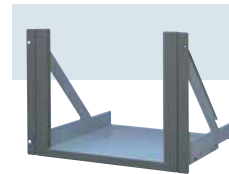
Unit: mm (inches)



OPTIONAL ACCESSORIES



SLR-102
Slide Rail Kit



MB-502C
Rack Mount Bracket

CONTROL PANEL



CONNECTOR PANEL



Sony address/contact details/dealer stamp

MEDICO SYSTEMS

VIDEO SYSTEMER APS

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2605 BRØNDBY**

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