

PVM-20L2MD

PVM-14L2MD

Medical Color Video Monitors

Designed specifically for use in medical applications, PVM-L2MD Series Monitors provide the exceptional clarity and color fidelity required for endoscopy, microsurgery, operating-theater monitoring, ultrasound, surgical and laboratory microscopy. Input capability is expanded by the addition of an optional video board slot. By replacing a supplied analog component board, the monitor accepts various digital inputs such as SDI or DV. These medical monitors are UL-2601-1 listed, and offer an HR (High Resolution) Trinitron® picture tube that provides high brightness and a high resolution of 600 TV lines. In addition to compatibility with NTSC and PAL color systems, knob controls and on-screen menus provide flexibility and easier access to monitor setup.



PVM-20L2MD

- New!** ■ Digital Video Options (DV, SDI)
- New!** ■ Digital Comb Filter
- New!** ■ Modular 8-pin Parallel remote control
- New!** ■ On-screen menu in seven languages
 - High Resolution Trinitron picture tube
 - Long term stability of color reproduction
 - IzzitOn® System provides visual recording confirmation
 - Automatic Chroma and Phase adjustment
- RS-232C control
- Automatic selection of standard color systems: NTSC and PAL
- Analog RGB, Y/C, and Composite Video
- Knob controls of Brightness, Contrast, Phase, Chroma, and Volume
- Splash-proof Panels protect against liquids
- Front Panel Cover prevents inadvertent operation
- Audio Monitoring Facility



SONY®

Sony Medical

PVM-20L2MD/14L2MD

Specifications

PVM-20L2MD

PVM-14L2MD

VIDEO SIGNAL

Color System NTSC, PAL

PICTURE PERFORMANCE

Overscan/Normal/Under 20%, 7%, 5% of CRT effective screen area

Picture Tube Resolution 600 TV Lines at center

CRT P-22 Phosphor

Color Temperature D65 (factory default), D56, D93, USER (5000K to 10000K)

Maximum Diagonal Viewable Area 19" 13"

INPUTS

Y/C IN 4-pin MiniDIN connector

VIDEO IN BNC connector 1V p-p ± 6 dB, sync negative

AUDIO IN phonojack, -5dBu, more than 47kohms

R/R-Y,G/Y, B/B-Y IN BNC connector

Sync on Green 0.3V p-p, negative sync

R-Y, B-Y Channels 0.7V p-p, ± 6 dB

Y-Channel 0.7Vp-p, ± 6 dB(Standard color bar signal of 75% chrominance)

EXT SYNC IN 0.3V to 8Vp-p, \pm bipolarity ternary or negative polarity binary

OUTPUTS

Y/C OUT 4-pin MiniDIN connector

VIDEO OUT BNC connector, 75 ohms terminated

AUDIO OUT phonojack

R/R-Y,G/Y, B/B-Y OUT BNC connector, 75 ohms terminated

EXT SYNC OUT BNC connector, 75 ohms terminated

REMOTE INPUT

PARALLEL REMOTE 8-pin modular connector

RS-232C 9-pin D-SUB connector

GENERAL

Power Consumption Approximately 108W Approximately 85W

Power Requirements AC10 to 240 V, 50/60 Hz

Operating Temperature 0°C to 40°C (32°F to 104°F)

Compliance UL 2601-1 listed

Dimensions 457mm (W) x 457mm (H) x 529mm (D) 346mm (W) x 340mm (H) x 430mm (D)
17 _ x 18 x 20 _ inches (13_ x 13_ x 17 inches)

Weight Approx. 33.0 kg (72 lbs 12 oz) Approx. 18.0 kg (39 lbs 11 oz)

Warranty 2 years parts and labor, 2 years CRT

Supplied Accessories AC Power Cord (1), AC plug holder(1), Operating Instructions (1), Splash-proof Panels (2), Front Panel Cover (1), Panel Hinges (1), Interface manual for programmers (1), BKM129X Component Video input card

Optional Accessories IzzitOn System Cable, BKM120D (SDI) video card, BKM155DV (IEEE-1394 Digital Video) video card



Back Panel

Front Panel Controls



SONY

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Caution: Federal (USA) law restricts this device to sale by or on the order of a physician or other appropriately licensed medical professional.

Caution: See product labeling for indications, contraindications, warnings, cautions and directions for use.

ME-PVM14L2MD