

PVM-20M2MDU
PVM-14M2MDU
 Medical Color Video Monitors

Designed specifically for use in medical applications, the M2MD Series Monitors provide the exceptional clarity and color fidelity required for endoscopy, ultrasound, surgical and laboratory microscopy. These medical monitors are UL-2601-1 listed, and offer an HR (High Resolution) Trinitron® picture tube, in addition to compatibility with NTSC and PAL color systems. The design, incorporating knob controls, splash guards and on-screen menus, provides flexibility and easier access to monitor setup.



PVM-20M2MDU

- High Resolution Trinitron picture tube
- On-screen menu in five languages
- Knob controls of Brightness, Contrast, Aperture, Phase, Chroma and Volume
- IzzitOn® System provides visual recording confirmation
- RGB Split Screen (two RGB inputs)
- Analog RGB, Y/C and composite video
- Auxiliary 8 volt DC output
- Improved contrast CRT
- Improved frequency response
- Splash-proof panels protect against liquids
- Front Panel Cover prevents inadvertent operation
- RS-232C control
- Automatic selection of standard color systems: NTSC and PAL
- UL-2601-1 Listed



PVM-14M2MDU/20M2MDU

Specifications

PVM-14M2MDU

PVM-20M2MDU

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 6,500K/9,300K/USER (3200K-10000K, factory setting is 6500K)

Maximum Diagonal Viewable Area 13" 19"

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

R,G,B Channels 0.7V p-p, ± 6 dB

Sync on Green 0.3V p-p, negative, 75 ohms terminated

R-Y, B-Y Channels 0.7V p-p, ± 6 dB

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

EXT SYNC IN BNC connector, Composite sync 4V p-p, ± 6 dB, negative

OUTPUTS

Y/C OUT 4-pin MiniDIN connector

VIDEO OUT BNC connector, 75 ohms terminated

AUDIO OUT Phonojack, Output level 0.8W

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

EXT SYNC OUT BNC connector, 75 ohms terminated

REMOTE INPUT

REMOTE 8-pin MiniDIN connector

RS-232C 9-pin D-SUB connector

GENERAL

Power Consumption Approximately 90W Approximately 115W

Power Requirements 120V AC, 50/60Hz

Operating Temperature* 0-35° C

Compliance UL 2601-1 Listed

Dimensions 346mm (W) x 340mm (H) x 430.5mm (D) (13³/₈ x 13¹/₂ x 16⁷/₈ inches) not including projecting parts and controls 450mm (W) x 457.5mm (H) x 503mm (D) (17³/₄ x 18¹/₈ x 19⁷/₈ inches) not including projecting parts and controls

Weight Approximately 16.7 kg (36 lbs 14 oz.) Approximately 30 kg (66 lbs 2 oz.)

Warranty 2 years parts and labor, 2 years CRT

Supplied Accessories AC Power Cord (1), AC Plug Holder (1), Splash-proof Panels (2) Front Panel Cover (1), Panel Hinges (2), Remote Control Connector, 8-pin mini DIN (1), Operating instructions (1), Interface Manual for Programmers (1)

Optional Accessories IzzitOn System Cable

Rear Panel Input/Output Terminals



Front Panel Controls



SONY

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www.sony.com/medical