

PVM-14M2E/14M2A*1 (PAL/NTSC/SECAM/NTSC_{4.43})

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Colour Video Monitor

- High resolution of 600TV lines with dark tint CRT for high contrast image reproduction
- Accepts component (Y/R-Y/B-Y), RGB, Y/C and composite signals
- Beam current feedback circuit for stability in the colour balance
- Optional component serial digital interface kits BKM-101C (video)/102 (audio) available
- Switchable aspect ratio (4:3 and 16:9)
- Colour temperature D65, D93 or user preset (3200K to 10000K) selectable
- On-screen display for adjustment/operation
- User preset function
- Underscan, Blue Only and H/V delay mode available
- Auto chroma/phase setup*²
- Accepts external sync
- Auto/Manual degaussing
- Mountable into an EIA standard rack with the optional MB-502B and SLR-102

- Supplied accessories:
- 20-pin remote cable
 - Tally label
 - AC cord
 - AC plug holder
 - Operation manual
- Optional accessories:
- BKM-101C (Component serial digital interface kit (video))
 - BKM-102 (Component serial digital interface kit (audio))
 - BKM-103 (Serial remote control kit for RS-422)
 - MB-502B (Rack mounting bracket)
 - SLR-102 (Slide rail)
 - TU-1040E (Tuner unit)

Specifications

- CRT
- AG pitch: 0.25 mm
 - phosphor: P-22
 - CRT size: 37.1 cm (14-inch) diagonally
- Visible picture size: 33.2 cm (13-inch) diagonally
- Resolution: 600TV lines
- Colour system: PAL, NTSC, SECAM, NTSC_{4.43}
- Aperture correction: 0 to +6dB
- Frequency response:
- LINE: 10.0 MHz (±3dB) *Y signal only
 - RGB: 10.0 MHz (±3dB)
- Synchronization: AFC time constant 1.0mS
- Normal scan: 7% over scan
- Under scan: 5% under scan
- Linearity:
- H: less than 4%
 - V: less than 4%
- Convergence:
- centre: 0.4 mm (typical)
 - peripheral: 0.5 mm (typical)
- Raster size stability:
- H: 1.0%
 - V: 1.5%
- HV regulation: 3.5%
- Colour temperature: D65, D93, USER (3200K to 10000K)
- Audio out: 0.8W (distortion: less than 5%)
- Power Consumption: 90W (with SDI: 99W)
- AC input range: AC100 to 240V (50/60Hz)
- Operation temperature: 0° to 35° C
- Storage temperature: -10° to 40° C
- Operating humidity: 35 to 85% (no condensation)
- Storage humidity: 0 to 90%
- Pressure: 880 to 1060hPa
- Dimensions: 346(W) × 340(H) × 431(D) mm (13⁵/₈ × 13¹/₂ × 17 inches)
- Mass: 16.7 kg (36 lb 13 oz)

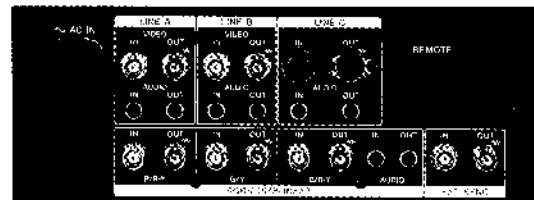
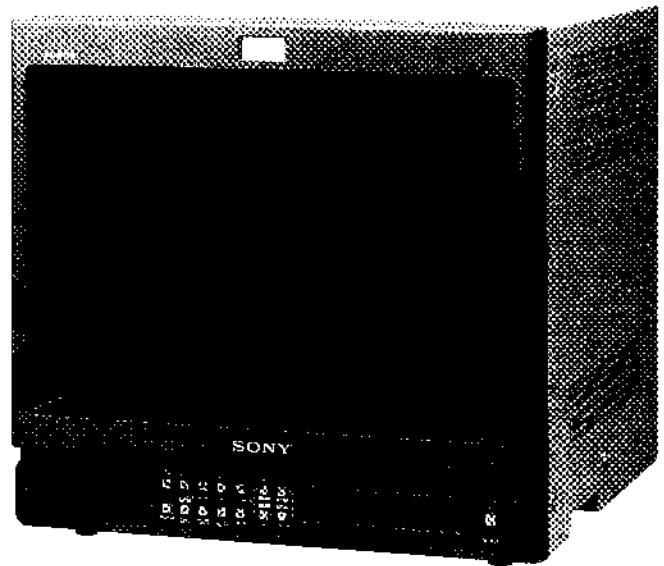
Inputs / Outputs

LINE A/B*⁴

- 1.0Vp-p±6dB
- Loop-through BNC automatic 75Ω termination*⁵

LINE C*⁴

- Y: 1.0Vp-p±6dB
- C: 0.3Vp-p±6dB
- Loop-through Mini DIN 4-pin automatic 75Ω termination*⁵



RGB / Component (selectable)*⁶

- R/R-Y: 0.7Vp-p±6dB
- G: 0.7Vp-p±6dB
- Sync on G: 0.3Vp-p±6dB
- Y: 0.7Vp-p±6dB
- B/B-Y: 0.7Vp-p±6dB
- Loop-through BNC automatic 75Ω termination*⁵

External Sync

- 4Vp-p±6dB, negative
- Loop-through BNC automatic 75Ω termination*⁵

Regulation Compliance:

- TUV IEC-950, CE (EMC, LVD)
- C-Tick (for PVM-14M2A)

*1 PVM-14M2A is an Australian version.

*2 Phase setup is for NTSC signals only.

*3 The NTSC_{4.43} system refers to an NTSC colour system in which the subcarrier frequency is modified to 4.43 MHz.