

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}*3

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

(13 5/8 × 13 1/2 × 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

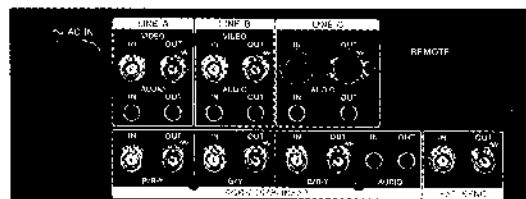
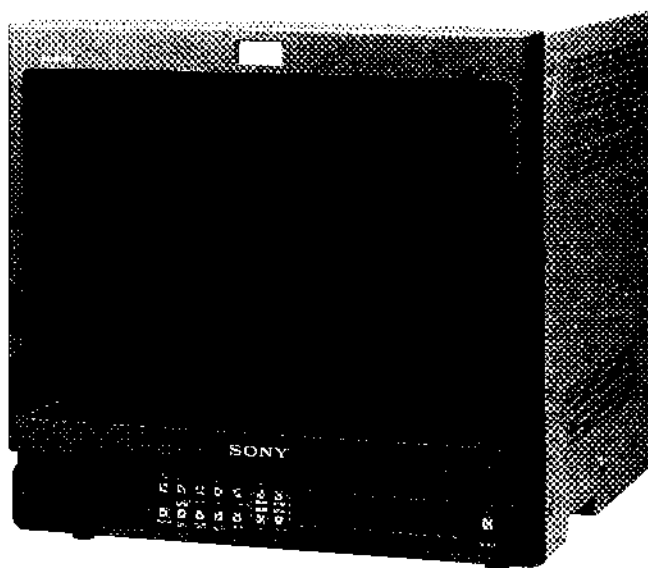
LINE C*4

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.