

20" PVM-20M4E/20M4A*1 (PAL/NTSC/SECAM/NTSC_{4.43})

Colour Video Monitor

- HR Trinitron CRT assures a high resolution of 800TV lines
- Adopts EBU standard phosphor
- 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
- Minimizes magnetic field emission
- Mountable into an EIA standard rack with the optional SLR-103A

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)
SLR-103A (Slide rail)
TU-1040E (Tuner unit)

Specifications

CRT

AG pitch: 0.31 mm
phosphor: EBU
CRT size: 53.3 cm (20-inch) diagonally
Visible picture size: 48.3 cm (19-inch) diagonally
Resolution: 800TV 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 5%
V: less than 5%
Convergence: centre: 0.5 mm (typical)
peripheral: 0.7 mm (typical)
Raster size stability: H: 1.0%
V: 1.5%
HV regulation: 4.0%
Colour temperature: D65, D93, USER (3200K to 10000K)
Audio out: 0.8W (distortion: less than 5%)
Power Consumption: 130W (with SD): 140W
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: 450(W) × 458(H) × 503(D) mm
(17 $\frac{3}{4}$ × 18 $\frac{1}{8}$ × 19 $\frac{7}{8}$ inches)
Mass: 30.0 kg (66 lb 2 oz)

Inputs / Outputs

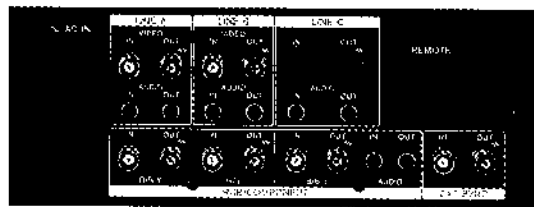
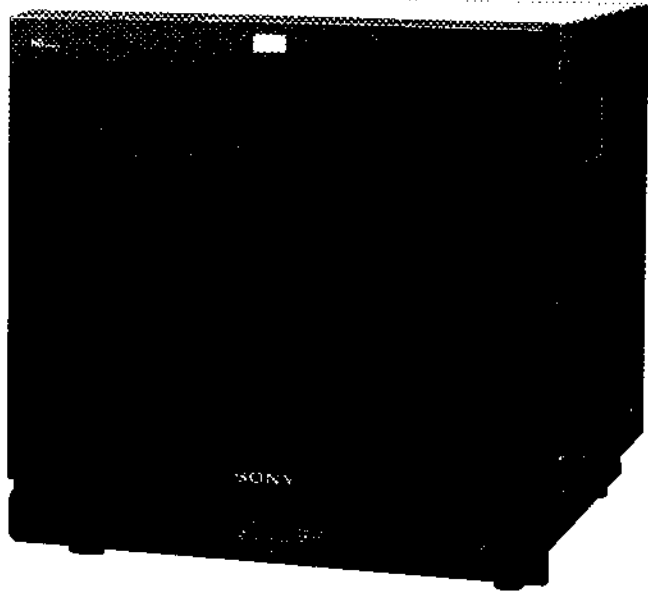
LINE A/B*2

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

Downloaded from: www.broadcast-trader.com.au



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:

TÜV IEC-950, CE (EMC, LVD)
C-Tick (for PVM-20M4A)

*1 PVM-20M4A 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.