

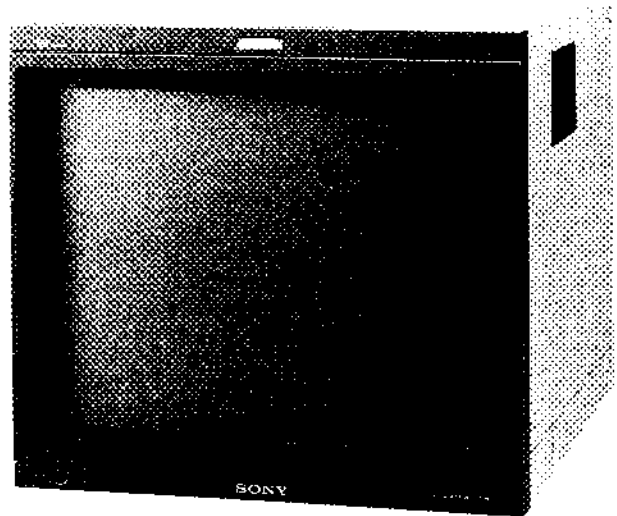
20-inch (19-inch*) color monitor

•Divided type with separate display and control unit •HR Trinitron assures a high resolution of 900 TV lines •SMPTE-C and EBU standard phosphors •Built-in auto set-up system for chroma, phase, and white balance •Precise color temperature adjustment is possible with a color analyzer via RS-232C interface •Stabilized color temperature obtained with a beam current feedback circuit •Component (Y/R-Y/B-Y)/RGB input facility available •Accepts various signals by inserting optional input boards directly into the rear panel (equipped with 4 open slots) •Number of inputs expandable with optional input expansion boards:

- 24 composite inputs or
- 12 serial digital or
- 9 component or
- 8 Y/C inputs

(Types and numbers of inputs depend on option boards used.)

•Aspect ratio is switchable between 4:3 and 16:9, 16:9 bezel is available as an option •Serial or parallel remote control capability •Memory card BKM-12Y available as an option for easy monitor set-up •Supported by the Sony Interactive Status Reporting (ISR) system



See Optional Accessories on page 228.

* viewable area, measured diagonally

Specifications

| | | BVM-20F1U | BVM-20F1E/A |
|--------------------------------|---|---|---|
| General | System | 525 lines 60 fields NTSC | 625 lines 50 fields PAL |
| | Power requirements | AC 100 to 240 V ±10 % | |
| | Power consumption | Max. 200 W | |
| | Dimensions | 444(W) × 414(H) × 570(D) mm (17 ¹ / ₈ × 16 ³ / ₈ × 22 ¹ / ₂ inches) | |
| | Mass | 37 kg (81 lb 9 oz) | |
| CRT performance | CRT type | HR Trinitron, AG pitch: 0.3 mm, Center resolution: 900 TV lines | |
| | Screen size | Diagonal: 482 mm (19 inches), Width: 386 mm (15 ¹ / ₄ inches), Height: 291 mm (11 ¹ / ₂ inches) | |
| | Color temperature | PRESET: Factory adjusted for 6500K white, MANUAL control is also available, which allows alternative setting of color temperature | |
| | Preset brightness | 100 cd/m ² (30 ft-L) (When a 1 Vp-p 100 % white signal is input) | |
| Raster and Picture performance | Normal scan | 4:3 aspect ratio, Blanked raster <+5 %, Raster size has internal adjustment | |
| | Under scan | 4:3 aspect ratio, Approx. -3 %, Picture and blanking boundaries displayed | |
| | Stability of raster size | 1 % of picture height for a 10 to 90 % APL change when 100 % peak level white set to 100 cd/m ² (30 ft-L) brightness | |
| | Linearity of center H & V lines | 0.5 % of the picture height | |
| | Geometry (all over screen) | 1 % of the picture height | |
| | Convergence | 0.4 mm within circle centered on screen and with a diameter equal to vertical height, 0.7 mm at any other point | |
| Input performance | RGB | R/B | Loop-through BNC, 0.7 Vp-p ±6 dB, high impedance |
| | | G | Loop-through BNC, 1.0 Vp-p ±6 dB, sync negative, high impedance |
| | Component | Y | Loop-through BNC, 1.0 Vp-p ±6 dB, high impedance |
| | | R-Y/B-Y | Loop-through BNC, 0.7 Vp-p ±6 dB, high impedance |
| | EXT SYNC | Loop-through BNC, 0.3 to 8 Vp-p negative, high impedance | |
| | Return loss | More than 46 dB (7 MHz when 75 Ω terminated) | |
| | Frequency response | 100 Hz to 10 MHz -1 dB/-3 dB | |
| DC restoration | Back porch type. Back porch level: within 1 % of peak luminance, 10 % to 90 % APL | | |