

BVM-14G5U (NTSC) /14G5E/14G5A (PAL)

14-inch (13-inch*) color monitor

- HR Trinitron assures a high resolution of 800 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 1 open slot)
- Number of inputs expandable with optional input expansion boards:

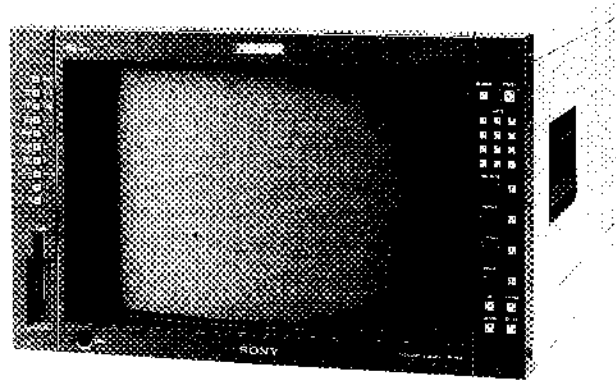
- 6 composite inputs or
- 3 SDI or
- 3 component or
- 2 Y/C inputs

(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



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Specifications

| | | BVM-14G5U | BVM-14G5E/14G5A |
|--------------------------------|---|---|---|
| General | System | 525 lines 60 fields NTSC | 625 lines 50 fields PAL |
| | Power requirements | AC 100 to 240 V ±10 % | |
| | Power consumption | Max. 120 W | |
| | Dimensions | 482(W) × 280(H) × 530(D) mm (19 × 11 1/8 × 20 7/8 inches) | |
| | Mass | 24 kg (52 lb 14 oz) | |
| CRT performance | CRT type | HR Trinitron, AG pitch: 0.25 mm, Center resolution: 800 TV lines | |
| | Screen size | Diagonal: 332 mm (13 1/8 inches), Width: 268 mm (10 5/8 inches), Height: 201 mm (8 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 fL) brightness | |
| | Linearity of center H & V lines | Less than 1 % of the picture height | |
| | Geometry (all over screen) | 2 % of the picture height | |
| Convergence | 0.4 mm within circle centered on screen and with a diameter equal to vertical height, 0.8 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 (6 MHz when 75 Ω terminated) | | |
| Frequency response | 50 Hz to 7 MHz ±3 dB | | |
| DC restoration | Back porch type. Back porch level: within 1 % of peak luminance, 10 % to 90 % APL | | |