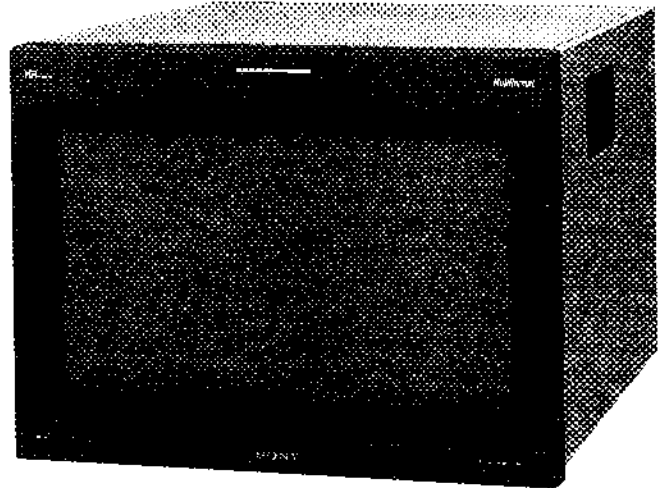


BVM-D24E1WU_(NTSC)/D24E1WE/ D24E1WA_(PAL)

24-inch (22-inch*) color monitor

- HR Trinitron (flat surface, 16:9 aspect) assures a high resolution of 1000 TV lines (16:9/4:3 modes) •SMPTE-C/EBU standard phosphors •Signals with the frequency range of 15.625 kHz to 45 kHz are acceptable with various configuration of optional BKM boards •4 optional BKM board slots available •Precise color temperature adjustment is possible with a color analyzer via RS-232C interface
- Stabilized color temperature obtained with a beam current feedback circuit •Beam landing correction •Digital uniformity
- Built-in H/V delay, underscan, blue only, mono, tally functions •Built-in test signal generator •Built-in Y_{PbPr}/GBR inputs •Frequency response 48 Hz to 30 MHz •Aspect ratio is switchable between 16:9 and 4:3 •4:3 Area Marker to find the 4:3 area inside the 16:9 picture •Serial remote control capability (mutual control with BVM-E/F/G Series and HDM Series) •Controlled with BKM-10R/11R



See Optional Accessories on page 228.

* viewable area, measured diagonally

Specifications

		BVM-D24E1WU/E/A	
Signal format		15.625 kHz to 45 kHz (For more details, please refer to the Acceptable Formats table on page 227.)	
Type		Display unit	
Power requirements		100 V to 240 V AC ±10 %, 50/60 Hz	
Power consumption (with Option board; Max.)		155 W (205 W)	
Dimensions		565.5(W) × 436.8(H) × 587.3(D) mm 22 3/8 × 17 1/4 × 23 1/8 inches	
Mass		approx. 51 kg (112 lb 3 oz)	
CRT	CRT type	24-inch HR Trinitron (flat surface, 16:9 aspect)	
	AG pitch	0.25 mm, 90° deflection, ø29.1 mm in-line gun	
	Visual screen (Viewable area, measured diagonally)	4:3	361.6(W) × 271.2(H) mm, (452 mm)
		16:9	482.1(W) × 271.2(H) mm, (553.1 mm)
	Phosphor	4:3 14 1/4 × 10 3/4, (17 7/8) 16:9 19 × 10 3/4, (21 7/8) SMPTE-C/EBU	
Video		BNC × 3, with loop-through 1.0 Vp-p ±6 dB, positive	
Inputs/Outputs	GBR	1.0 Vp-p ±6 dB, high impedance	
	Y	0.7 Vp-p ±6 dB, high impedance	
	Pb/Pr	BNC × 1, with loop-through	
Ext sync		0.3 to 8.0 Vp-p, high impedance, tri-level bipolar sync	
Remote	OPTION	RS-232C for BKM-11R Mini DIN 8-pin	
	CONTROL UNIT	RS-422 for BKM-10R D-sub 9-pin	
	REMOTE 1 / Serial remote	RS-485 serial interface, D-sub 9-pin, with loop-through	
	REMOTE 2 / Parallel remote 1	D-sub 9-pin × 1 (Short to ground)	
	Parallel remote 2	Not Applicable	
	ISR	D-sub 9-pin × 1	
Differential gain (DG)		Within 5 % for luminance from 0 to 100 cd/m ²	
Differential phase (DP)		Within 5° for luminance from 0 to 100 cd/m ²	
Frequency response		48 Hz to 30 MHz +1 dB/-3 dB	
DC restoration		Back porch type, back porch level: within 1 % of peak luminance, 10 to 90 % APL	
System Performance	Retrace time	Horizontal Vertical	
		under 3.77 µsec under 650 µsec	
Picture Performance	Normal scan	5 % over scan of the effective picture area	
	Under scan	3 % under scan of the effective picture area	
	Linearity	Less than 0.5 % within circle centered on the screen with a diameter equal to the vertical height, 1.0 % at any other point	
	Color temperature	D65 / D93 / COL 1 / COL 2 (User adjustable)	
	Convergence	Less than 0.3 mm within circle centered on the screen with a diameter equal to the vertical height, 0.5 mm at any other point	
Preset brightness		100 cd/m ² (30 fL) (when a 1.0 Vp-p 100 % white signal is input)	
Stability of raster size		1 % of picture height (at 100 cd/m ² peak luminescence, 10 to 90 % APL)	
Beam and Deflection	Scan delay	Horizontal Vertical	
		Approx. 3/8 line Approx. 1/2 field	
Center resolution		16:9 1000 TV lines, 4:3 1000 TV lines	
Operating temperature		0 to 35 °C Optimum operating range 20 to 30 °C	
Storage temperature		-10 to 40 °C	
Humidity		30 to 85 % (no condensation)	