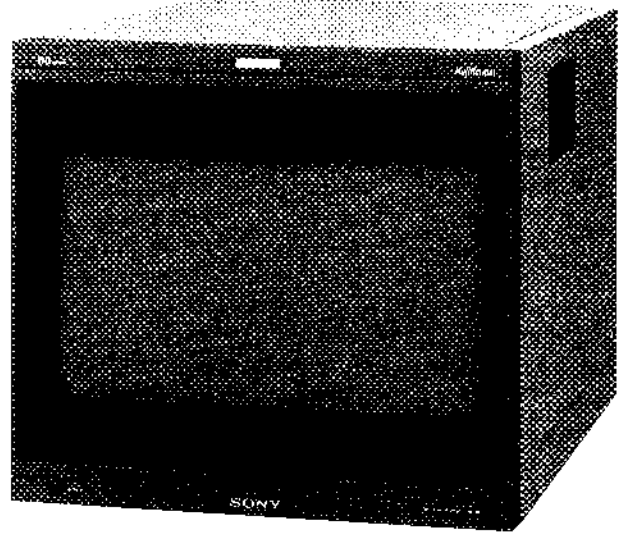


BVM-D20E1U_(NTSC)/D20E1E/ D20E1A_(PAL)

20-inch (19-inch*) color monitor

- HR Trinitron assures a high resolution of 900/700 TV lines (4:3/16:9 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
- Built-in H/V delay, underscan, blue only, mono, tally functions
- Built-in test signal generator
- Built-in Y_BP_R/GBR inputs
- Frequency response 48 Hz to 30 MHz
- Aspect ratio is switchable between 16:9 and 4:3 (Both 16:9 and 4:3 masks supplied)
- 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-D20E1U/E/A
General	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.)	150 W (210 W)
	Dimensions	444(W) × 414(H) × 570(D) mm 17 1/2 × 16 3/8 × 22 1/2 inches
	Mass	approx. 38 kg (83 lb 10oz)
	CRT CRT type	20-inch HR Trinitron
	AG pitch	0.30 mm, 90° deflection, ø30.5 mm in-line gun
	Visual screen (Viewable area, measured diagonally)	4:3 386(W) × 291(H) mm, (482 mm) 16:9 386(W) × 218(H) mm, (443 mm)
	Phosphor	4:3 15 1/4 × 11 1/2, (19) 16:9 15 1/4 × 8 3/8, (17 1/2) SMPTE-C/EBU
Inputs/Outputs	Video	BNC × 3, with loop-through 1.0 Vp-p ±6 dB, positive
	GBR	1.0 Vp-p ±6 dB, high impedance
	Y	1.0 Vp-p ±6 dB, high impedance
	P _B /P _R	0.7 Vp-p ±6 dB, high impedance
	Ext sync	BNC × 1, with loop-through
	Composite	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
Video signal performance	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
Raster and picture performance	DC restoration	Back porch type, back porch level: within 1% of peak luminance, 10 to 90% APL
	Retrace time	Horizontal under 3.77 µsec Vertical under 650 µsec
	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% 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)
	Scan delay	Horizontal
Vertical		Approx. 1/2 field
Center resolution	Horizontal	16:9 700 TV lines, 4:3 900 TV lines
	Vertical	16:9 700 TV lines, 4:3 900 TV lines
Operating conditions	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)