BVM-2811

28-inch Broadcast Color Monitor

■ Large size master monitor for precise evaluation of video signals ■ Employs a 16:9 aspect ratio CRT switchable between 16:9 and 4:3 ■ CPU Control system for enhanced monitor operation and remote control flexibility ■ High resolution of approx. 750 TV lines (16:9) and approx. 1000 TV lines (4:3) ■ HIghly stable white balance ■ Optional accessories available for alternative applications—BKM-2056 and BKM-2053 for Auto setup and with fine adjustment capability (NTSC, PAL, PAL-M, SECAM, RGB/Component)—Optional Comb Filter for NTSC (BKM-1412*) and PAL (BKM-1422)—Accepts serial component digital input with BKM-2085 or composite digital input with BKM-2090

*The BKM-1412 is supplied with the BVM-2811.

Specifications

General

System:	BVM-2811: 525 lines, 60 fields interlaced BVM-3011P: 625 lines, 50 fields interlaced
Power Requirements:	AC-100V/120V and 220V/240V ±10%, Line frequency 48 Hz to 66 Hz
Power Consumption:	220W (typical)
Dimensions (WHD):	754 x 615 x 677mm (29¾" x 24¼" x 26¾")
Weight:	202 lb. 13 oz. (92kg.)

CRT Performance

CRT Type:	Super fine pitch Trinitron with SMPTE C phosphors (BVM-2811) EBU phosphors (BVM-3011P), aspect ratio 16:9, 0.35mm phosphor trio pitch Center resolution: Approx. 750 TV lines (16:9) Approx. 1000 TV lines (4:3)
Screen Size:	Diagonal: 711.2mm (28") Width: 620mm (24½") Height: 349mm (13¾")
Color Temperature:	PRESET: Factory adjusted for 6500k white MANUAL control is also available, which allows alternative setting of color temperature

Raster and Picture Performance

Normal Scan:	16:9 aspect ratio, Blanked raster < +5%, raster size has internal adjustment
Under Scan:	16:9 aspect ratio, −3%, picture blanking boundaries displayed
Stability of Raster Size:	1% of picture height for a 0% to 100% APL change
Linearity of Center H & V Lines:	0.5% of picture height
Geometry (all over the screen):	1% of picture height

Input Performance

RGB/VIDEO/TEST:	Loop-through BNC 0.7Vp-p non-composite or 1Vp-p composite ±6 dB positive, high impedance
Component Y:	Loop-through BNC 0.7Vp-p non-composite or 1Vp-p composite ±6 dB positive, high impedance
R-Y/B-Y:	Loop-through BNC 0.7Vp-p non-composite ±6 dB positive, high impedance
External Sync:	Loop-through BNC 0.3Vp-p to 8Vp-p negative, high impedance
Return loss:	≥ 46 dB, up to 7 MHz
Cross Talk:	≥ 50 dB, up to 7 MHz

RGB Performance

Frequency Response:	50 Hz to 10 MHz ±1 dB
DC Restoration:	Back porch type, Back porch level: within 1% of peak luminance, 10% to 90% APL

PAL/NTSC Performance

Differential Gain:	Within 2%
Differential Phase:	Within 2°
Frequency Response:	Y: 50 Hz to 8 MHz ±1 dB C: 1.3 MHz
Aperture Correction:	Adjustable continuously up to 6 dB boost at 4.5 MHz or 6.5 MHz (selectable)