

# 1-1 Color video monitors

## **IK** PVM-14M2U (NTSC/PAL/SECAM/NTSC<sub>4.43</sub>)

### Color Video Monitor

- High resolution of 600TV lines with dark tint CRT for high contrast image reproduction
- Accepts component (Y/R-Y/B-Y), RGB, Y/C and composite signals
- Beam current feedback circuit for stability in the color balance
- Optional component serial digital interface kits BKM-101C (video) / 102 (audio) available
- Switchable aspect ratio (4:3 and 16:9)
- Color temperature D65, D93 or user preset (3200K to 10000K) selectable
- On-screen display for adjustment/operation
- User preset function
- Underscan, Blue Only and H/V delay mode available
- Auto chroma/phase setup\*1
- Accepts external sync
- Caption vision decoder (closed caption)
- Auto/Manual degaussing
- Mountable into an EIA standard rack with the optional MB-502B and SLR-102

Supplied accessories: 20-pin remote cable  
 Rally label  
 AC cord  
 AC plug holder  
 Operation manual

Optional accessories: BKM-101C (Component serial digital interface kit (video))  
 BKM-102 (Component serial digital interface kit (audio))  
 BKM-103 (Serial remote control kit for RS-422)  
 MB-502B (Rack mounting bracket)  
 SLR-102 (Slide rail)  
 TU-1041U (Tuner unit)

### Specifications

#### CRT

AG pitch: 0.25 mm  
 phosphor: P-22  
 CRT size: 37.1 cm (14-inch) diagonally  
 Visible picture size: 33.2 cm (13-inch) diagonally  
 Resolution: 600TV lines  
 Color system: NTSC, PAL, SECAM, NTSC<sub>4.43</sub>\*2  
 Aperture correction: 0 to +6 dB  
 Frequency response: LINE: 10.0 MHz (±3dB) \*Y signal only  
 RGB: 10.0 MHz (±3dB)  
 Synchronization: AFC time constant 1.0 ms  
 Normal scan: 7% over scan  
 Under scan: 5% under scan  
 Linearity: H: less than 4%  
 V: less than 4%  
 Convergence: center: 0.4 mm (typical)  
 peripheral: 0.5 mm (typical)  
 Raster size stability: H: 1.0%  
 V: 1.5%  
 HV regulation: 3.5%  
 Color temperature: D65, D93, USER (3200K to 10000K)  
 Audio out: 0.8 W (distortion: less than 5%)  
 Power Consumption: 90 W (with SDI: 99 W)  
 AC input range: AC100 to 240 V (50/60 Hz)  
 Operation temperature: 0° to 35° C  
 Storage temperature: -10° to 40° C  
 Operating humidity: 35 to 85% (no condensation)  
 Storage humidity: 0 to 90%  
 Pressure: 860 to 1060 hPa  
 Dimensions: 346 (W) × 340 (H) × 431 (D) mm  
 (13<sup>5</sup>/<sub>8</sub> × 13<sup>1</sup>/<sub>2</sub> × 17 inches)  
 Mass: 16.7 kg (36 lb 13 oz)

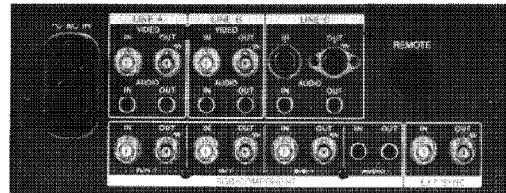
#### Inputs / Outputs

##### LINE A/B\*3

1.0 Vp-p±6 dB  
 Loop-through BNC automatic 75Ω termination\*4

##### LINE C\*3

Y: 1.0 Vp-p±6 dB  
 C: 0.3 Vp-p±6 dB  
 Loop-through Mini DIN 4-pin automatic\*4  
 75Ω termination



#### RGB / Component (selectable)\*5

R/R-Y: 0.7 Vp-p±6 dB  
 G: 0.7 Vp-p±6 dB  
 Sync on G: 0.3 Vp-p±6 dB  
 Y: 0.7 Vp-p±6 dB  
 B/B-Y: 0.7 Vp-p±6 dB  
 Loop-through BNC automatic 75Ω termination\*4

#### External Sync

4 Vp-p±6 dB, negative  
 Loop-through BNC automatic 75Ω termination\*4

#### Safety Standards

UL-1950 / CSA-950, DHHS / DNHW, FCC Class A / IC Class A

\*1 Phase setup is for NTSC signals only.

\*2 The NTSC color system is not supported in PAL/SECAM mode.