

SONY

8" Trinitron® Color Video Monitor PVM-8220

PVM-8220

Patented Trinitron color system

Two video line inputs with front-panel switch

Choice of internal or external sync

H/V delay for evaluating test signals; normal or underscan

8" picture, measured diagonally

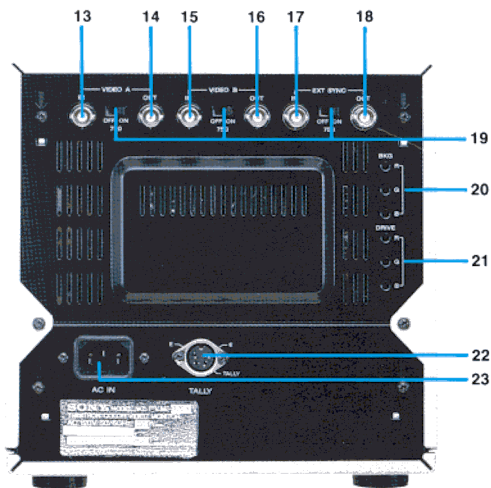
Two PVM-8220s mount in standard EIA 19" rack



8" Trinitron® Color Video Monitor PVM-8220



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|--------------------------------|--|------------------------------------|
| 1 Underscan Mode Select Switch | 5 Sync Select Switch (Internal/External) | 9 Color Control |
| 2 A/B Input Select Switch | 6 Vertical Hold Control | 10 Brightness Control |
| 3 Blue Only Switch | 7 Sharpness Control | 11 Picture Control |
| 4 Pulse Cross Switch | 8 Hue Control | 12 Power On/Off Button & Indicator |



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|------------------------|----------------------------------|-------------------------|
| 13 Video A Input | 17 Ext. Sync Input | 20 R/G/B BKG Controls |
| 14 Loop Through Output | 18 Ext. Sync Loop Through Output | 21 R/G/B Drive Controls |
| 15 Video B Input | 19 75 Ohm Termination Switch | 22 Tally Connector |
| 16 Loop Through Output | | 23 AC In Socket |

Wherever space is at a premium, the 8" Sony PVM-8220 is an excellent choice. Two PVM-8220's mount side-by-side in a standard 19" rack. The monitor comes with a complete array of professional inputs and outputs, plus special test features like H/V delay, underscan, and blue-only mode. But this monitor's most important feature is Sony's unsurpassed Trinitron® picture tube with advanced Microblack™ screen.

Features

Trinitron color system: the patented one-gun/one lens picture tube that won an Emmy Award for picture quality; features high geometric accuracy, high brightness, and minimum moire

Microblack™ screen for high contrast, reduced ambient light reflection

Better than 250 lines horizontal resolution, at center

Choice of internal or external sync via front-panel switch

Two sets of video inputs (A and B) for full studio flexibility; reliable BNC connectors for secure contact

Loop-through outputs for both video and sync allow multiple bridging

Underscan switch displays the full active picture area; lets you evaluate camera framing

Horizontal-plus-vertical delay switch brings the horizontal and vertical blanking intervals, the "pulse cross," to the center of the screen; permits evaluating test signals, time code and other non-image areas

Special Blue-Only Mode facilitates hue adjustment and observation of VTR noise

Push-to-lock front-panel controls for vertical hold, sharpness, hue, color, brightness, and picture

Front-panel tally lamp; 4-pin DIN connector tally input

Pair of PVM-8220s mounts in standard EIA 19" rack with optional MB-504 mounting bracket

Specifications

Video Signal: EIA 525 lines, 60 fields

Color System: NTSC color

Picture Tube: Microblack™ Trinitron® tube, 8"-picture measured diagonally, 70° deflection

Resolution: More than 250 TV lines at center

Color Temperature: 9300° K

Frequency Response: 4 MHz (–3 dB), typical

Horizontal Linearity: +/– 8%

Vertical Linearity: +/– 8%

Line Pull Range: Horizontal +/– 500 Hz, Vertical – 8 Hz

Overscan: +6%, normal

Underscan: –5%

H/V Delay: Horizontal: approx. ¼ line; Vertical: approx. ½ field, typical

Convergence: Zone A (center circle with a diameter equal to screen height): within 0.5 mm; Zone B (area outside Zone A): within 0.7 mm

Brightness: More than 50 foot-Lamberts

Input Return Loss: 5 MHz, –30 dB (Input A, B)

Video Inputs: Line A and B BNC connectors: Composite 1 V (p-p) +/– 6 dB, sync negative; Noncomposite 0.7 V (p-p) +/– 6 dB, positive; switchable 75 Ohms and high impedance

External Sync Input: BNC connector, 4 V (p-p) +/– 6 dB, negative, switchable 75 Ohms and high impedance

Outputs: Video A, Video B, and sync loop-through BNC connectors with 75 Ohm terminator

Tally Input: 4-pin DIN connector

Power Requirements: 120 V AC, 50/60 Hz

Power Consumption: 30 W

Dimensions (HxWxD): 8⅝ x 8½ x 12⅝" (219x216x319 mm)

Weight: Approx. 16 lbs., 9 oz. (7.5 kg)

Supplied Accessories: AC power cord, Number plates, DIN 4-pin connector, instruction manual

Optional Accessory: MB-504 19" mounting bracket

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SONY®

Professional Video

Sony Communications Products Company
A Division of Sony Corporation of America
1600 Queen Anne Road
Teaneck, New Jersey 07666