

PM404

4-in-1 Broadcast Monochrome Monitor



The PM404 4-in-1 monochrome monitor contains 4 high resolution 4" monitors, mounted in one 19-inch rack. The PM404 is ideally suited for use as a monitor in a space-limited environment, such as, a broadcasting van or control room.

PM404 4-in-1 Broadcast Color Monitor

■ Features

- High resolution 4" CRT and a wide-band video amplifier provide a horizontal resolution of 450TV lines or more.
- High voltage regulation circuit is applied to minimize display size variation.

- All monitor units are shielded from each other, and are not affected by non synchronous signals.
- Markers compatible with the SMPTE Safe Title Area can be displayed (Option).

■ Specifications

● GENERAL

Input Voltage	100~120VAC \pm 10%, 50/60Hz, Single Phase (JPN, USA) 200~240VAC \pm 10%, 50/60Hz, Single Phase (EUROPE)
Power Consumption	Approx. 40W at AC120V Approx. 35W at DC12V
Ambient Temp.	0~+40°C, 90% or less relative Humidity (non-condensing)
Dimensions (WHD)	482.6(W) x 132.6(H) x 328(D) mm (19.0 x 5.2 x 12.9 inches)
Weight	Approx. 10kg (22 lbs.)
Front Panel Controls (per unit)	Power ON/OFF Marker ON/OFF (Option) Red and Green Tally Contrast Brightness
Standard Accessory	Manual, AC cable and remote connector (15 pin) are provided.

● RATING

Input Signal	1 video input, 1 sync input per unit
Input Level	Video signal: VS 1.0Vp-p or V0.7Vp-p, positive Sync signal: 4Vp-p \pm 2Vp-p, negative
Input Impedance	Video input: 75ohm or high impedance Bridge connection Sync input: 75ohm or high impedance Bridge connection
Max Output Level	20 Vp-p
Scanning Frequency	Horizontal 15.734kHz (NTSC), 15.625kHz (PAL) Vertical 59.94Hz (NTSC), 50Hz (PAL)
CRT	4" high resolution CRT

● PERFORMANCE

Horizontal Resolution 500 TV lines or more at center

● VIDEO CIRCUIT

Frequency Response	50Hz ~ 6MHz \pm 1dB, Referred to 100kHz.
Waveform Distortion	Overshoot: 10% or less at 250kHz. Sag: 5% or less at 60Hz.
Differential Gain	Less than 5% at APL 50%
Gain Adjustment	Variable range: 0 to max.

● SYNC CIRCUIT

Sync Stability	Stable operation is ensured under the Following input signal range. (1) VS input level changed against rated value : \pm 6dB (2) For video amplitude changes of 0 ~ 120 % and sync levels greater than -6dB. External Sync: Sync signal input level: 1 V ~ 8 Vp-p
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● DEFLECTION CIRCUIT

Picture Size	70mm(H) x 52.5mm(V)
Deflection Distortion	Less than 2% of picture height

● HIGH VOLTAGE CIRCUIT

High Voltage	6.5kV \pm 0.5kV (cutoff)
High Voltage Fluctuation	\pm 3% in range of 0 ~ 45uA as 35uA reference.

Design and specifications are subject to change without notice.

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