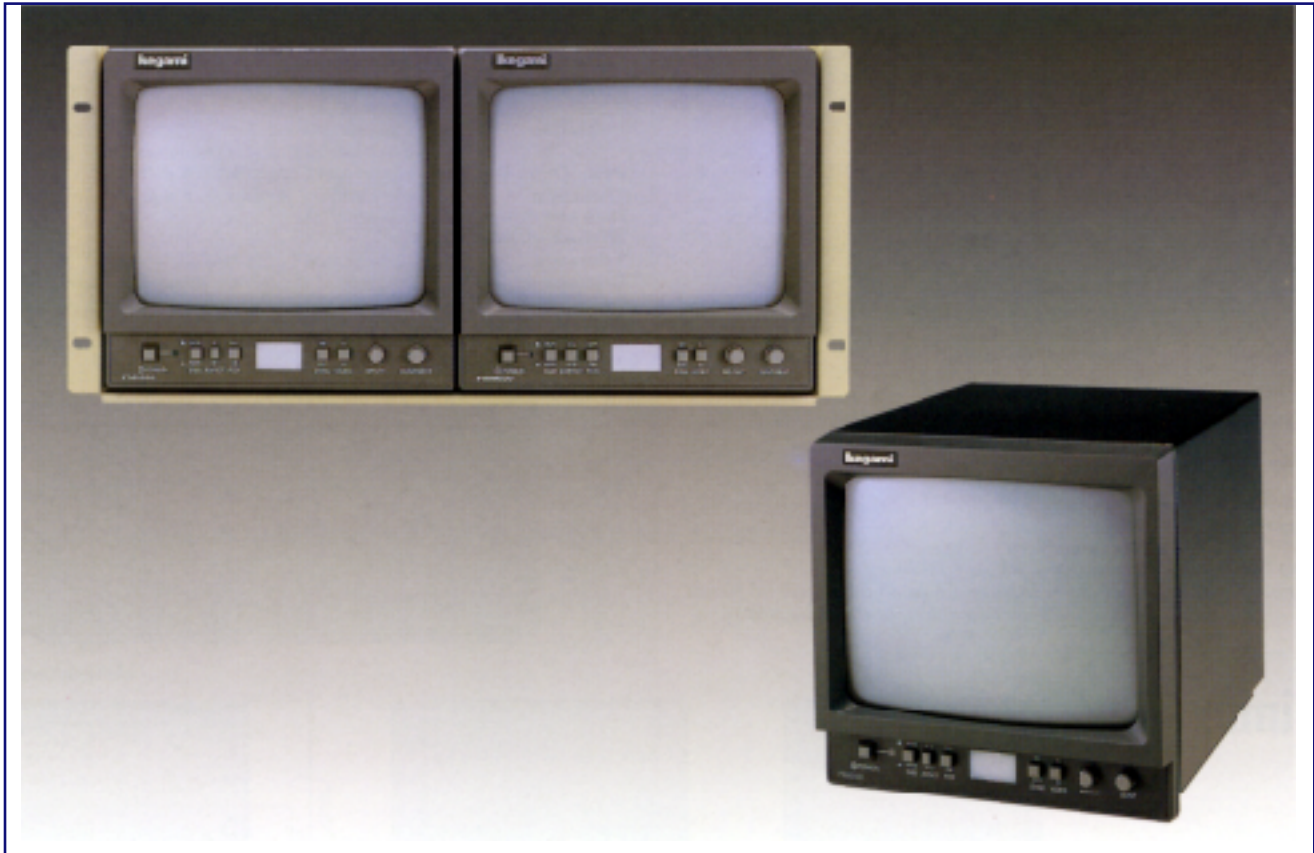


## 9-inch Broadcast Monochrome Monitor

# PM-9050/D



Ikegami's PM-9050 9-inch high performance monochrome monitor with a high resolution CRT delivers over 800 lines of horizontal resolution. Switching power supply circuitry provides a wider range of supply voltages, while its back porch clamp assures consistent stability for the video black level. The PM-9050 can be combined with a WFM monitor and/or vectorscope, and also mounted in a 19-inch rack with a two-monitor configuration. The PM-9050 is ideally suited for use in applications such as signal monitoring and adjustment for video equipment installed in broadcasting facilities.

- PM-9050D is provided with SDI input.
- 16:9/ 4:3 scan function.
- 19-inch rack mountable.
- Switching power supply circuitry provides a wider range of power supply voltages.
- Back porch clamping assures consistent stability for the video black level.
- Dual (A/B) inputs, front panel selectable.
- Remote control (VIDEO, SYNC, 4:3/16:9, RED TALLY ON/OFF).
- UL listed.

# PM9050/D

9-inch Broadcast Monochrome Monitor

## Specifications

### [ GENERAL ]

<b>Power</b>	AC100V ~ 240V 50/60Hz, approx. 30W or less
<b>Ambient Temperature</b>	0°C ~ +40°C (32°F ~ 104°F) 90% or less relative humidity
<b>External Dimension (W x H x D)</b>	220 X 215 X 255mm (8.66 X 8.46 X 10.04 inches)
<b>Weight</b>	Approx. 4.4kg (9.7lbs)
<b>Connector</b>	Video input : BNC type (2 systems) Sync input : BNC type (1 system) Remote input Tally input
<b>Front Panel Controls</b>	Power ON/OFF Video input A/B Sync input EXT/INT Size NOR/WIDE Pulse cross ON/OFF 4:3/16:9 Contrast Brightness
<b>Remote Operation</b>	Video input A/B Sync input EXT/INT 4:3/16:9 RED tally ON/OFF UL, FCC
<b>Acquired Safety Standard</b>	UL, FCC
<b>Applicable Safety Standard</b>	DHHS
<b>Standard Accessories</b>	Remote connector, AC cable, Operation Manual
<b>[ RATING ]</b>	
<b>Input Signal</b>	2 video inputs 1 sync input
<b>Input Level</b>	Video signal : VS 1.0Vp-p or V 0.7Vp-p, positive Sync signal : 0.3V ~ 0.8Vp-p, negative
<b>Input Impedance</b>	Video input/Video sync : 75 Ω terminated or high impedance bridge connection
<b>Output Level</b>	25Vp-p
<b>CRT</b>	E8069B4
<b>Phosphor Colorimetry</b>	6500°K
<b>Brightness</b>	60ft-L
<b>Operation</b>	Continuous
<b>Scanning Size</b>	Normal Scan : W160 X H120mm
<b>&lt; 4:3 mode &gt;</b>	Wide Scan : Area of 4:3 aspect ratio where the picture height touch to the top and bottom of escutcheon
<b>&lt; 16: 9 mode &gt;</b>	Normal Scan : W160 X H90mm

### [ PERFORMANCE ]

<b>Horizontal Resolution</b>	800TV Lines or more at center
<b>Power Voltage Fluctuation</b>	Will maintain stable picture quality with a ± 10% AC input voltage fluctuation
<b>X-ray Radiation</b>	Less than 0.1mR/H under normal operation at the place 50mm away from monitor (should not be over 0.5mR/H even when damaged)

### [ VIDEO Signal System ]

<b>Frequency Response</b>	50Hz ~ 10MHz : Within +1/3-dB Over 10MHz : Falling
	From video input terminal to CRT drive output referred to 100kHz under the rated output
	Approx. 35dB or more
	Continuously variable from 0 ~ max. gain

**Max. Gain**  
**Gain (contrast)**

### [ DEFLECTION SYSTEM ]

<b>Scanning Frequency</b>	
<b>Horizontal</b>	15.75kHz(NTSC)
<b>Vertical</b>	59.94Hz(NTSC)

### Sync Stability

\* Stability of synchronization will be met for the following conditions;  
**Internal Sync** VS level change ± 6dB from the rated value when chroma level is kept at 150%

**External Sync** 0.3V ~ 8Vp-p  
**Scanning Amplitude** Must be adjusted to the rated size of 4:3 or 16:9 aspect ratio

**Deflection Distortion** Less than 1% both for deflection linearity and raster distortion

**Pulse Cross Display Function**  
Horizontal(H) : Approx. 1/4 shift  
Vertical(V) : Approx. 1/2 shift

**Hum Oscillation** 0.2mm or less

### [ HIGH VOLTAGE ]

**Tolerance Regulation** Approx. 12V ± 1KV (cut off)  
Less than ± 3% over the range of 0 to 200.A referred to 100.A

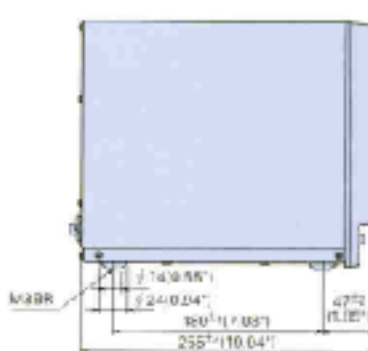
### [ DUAL UNITS ]



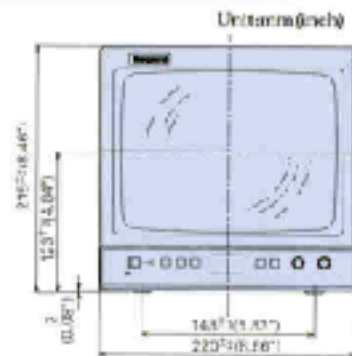
## Dimensions



REAR VIEW



SIDE VIEW



FRONT VIEW

Design and specifications are subject to change without notice

**Ikegami** IKEGAMI ELECTRONICS (U.S.A.). INC.

URL: <http://www.ikegami.com>

**HEADQUARTERS**  
**WEST COAST OFFICE**  
**SOUTHWEST OFFICE**  
**MIDWEST OFFICE**  
**SOUTHEAST OFFICE**

37 Brook Avenue, Maywood, NJ 07607 Phone : (201) 368-9171 Fax : (201) 569-1626  
2631 Manhattan Beach Blvd., Redondo Beach, CA 90278 Phone: (310)297-1900 Fax (310)536-9550  
773 Bearden, Waxahachie, TX 75167 Phone: (972)869-2363 Fax: (972)556-1057  
747 Church Road, Unit C1, Elmhurst, IL 60126 Phone : (630) 834-9774 Fax : (630) 834-8689  
5200 N.W. 33rd Avenue, Suite 111, Fort Lauderdale, FL 33309 Phone : (954) 735-2203 Fax: (954) 735-2227