



VM5094 / VM5124 9- and 12-Inch High-Resolution Monochrome Video Monitors

- **Convenient front panel controls**
- **Rugged steel cabinet with built-in carrying handle**
- **Crisp, high-resolution picture**
- **VCR compatible horizontal and vertical time constants**

The VM5094 and VM5124 Monochrome Monitors, with a horizontal resolution of 1000 lines, produce crisp, high-contrast pictures. The VM5094 has a 9-inch (230 mm) screen; the VM5124 has a 12-inch (305 mm) screen. These compact units are housed in a rugged yet attractively-styled cabinet with a convenient carrying handle. Both units are dual scanning (EIA and

CCIR) and incorporate a universal power supply that accommodates 120 or 230 VAC. Both a 120 VAC and 230 VAC line cord are supplied with each monitor.

Loop-through connectors and a 75-ohm termination switch are provided on the rear-panel, along with the removable line cord. Operating controls for power, brightness, contrast and horizontal and vertical hold are located behind a front panel door to provide an uncluttered look and prevent accidental movement of the controls. A power LED indicator is located outside the front panel door for easy viewing. Compatible horizontal and vertical time constants allow for stable playback from a video cassette recorder (VCR).

Rack mounting kits are available that allow the monitors to be installed in a standard EIA 19-inch rack, VM5093RK (double) and VM5093RK-1 (single) for the VM5094 monitor and VM5123RK (single) for the VM5124 monitor.

The VM5094 and VM5124 monitors meet UL safety standard 2044 and comply with FCC requirements for a Class A device.

ASSOCIATED EQUIPMENT AND ACCESSORIES

Model VM5123RK Rack Mounting Kit, Product Code 4961: Used to mount a single VM5123 monitor in a standard EIA 19-inch instrument rack. Product Specification 517.

Model VM5093RK and VM5093RK-1 Rack Mounting Kits, Product Codes 4960 and 4960-01: Used to mount a double or a single VM5094 monitor, respectively, in a standard EIA 19-inch instrument rack. Product Specification 517.

Contractors' Specification

9-Inch Monochrome Video Monitor

The monitor shall be a monochrome video monitor with a 9-in. (230 mm) picture tube. It shall have a resolution of 1000 TV lines (center). It shall provide looping video output with switchable 75 ohm termination located on the rear panel.

Front panel controls shall include power on/off, brightness, contrast, vertical hold, and horizontal hold. Input power shall be 120 VAC or 230 VAC, 50/60 Hz. Power consumption shall be 19.5 W typical.

Dimensions shall not exceed: height, 9.4 in. (239 mm); width, 8.6 in. (218 mm); depth, 10.25 in. (260 mm). The weight shall not exceed 13.2 lb (6.0 kg). The monitor shall comply with UL 2044 standards and with FCC limits for a Class A computing device in accordance with the specifications in Part 15 of FCC rules. Single and double rack mounting kits shall be available. The monitor shall be Vicon model VM5094.

12-Inch Monochrome Video Monitor

The monitor shall be a monochrome video monitor with a 12-in. (305 mm) picture tube. It shall have a resolution of 1000 TV lines (center). It shall provide looping video output with switchable 75 ohm termination located on the rear panel.

Front panel controls shall include power on/off, brightness, contrast, vertical hold, and horizontal hold. Input power shall be 120 VAC or 230 VAC, 50/60 Hz. Power consumption shall be 20.5 W typical.

Dimensions shall not exceed: height, 11.96 in. (304 mm); width, 12.2 in. (310 mm); depth, 12.43 in. (316 mm). The weight shall not exceed 20.9 lb (9.5 kg). The monitor shall comply with UL 2044 standards and with FCC limits for a Class A computing device in accordance with the specifications in Part 15 of FCC rules. A rack mounting kit shall be available. The monitor shall be Vicon model VM5124.

Vicon Product Facts		Model No:	Product Code:	SEC: 3	SPEC: V103	REV: 502
		VM5094/VM5124	8034/8035			

Technical Information

VIDEO

Screen Size: VM5094: 9 in. (230 mm) measured diagonally.
VM5124: 12 in. (305 mm) measured diagonally.

Effective Picture Area: VM5094: Height: 5.75 in. (146 mm).
Width: 7.5 in. (191 mm).
VM5124: Height: 8.75 in. (222 mm).
Width: 11.5 in. (292 mm).

Horizontal Resolution: 1000 TV lines at center of picture tube.

Video Input Signal: 0.5 - 2.0 V p-p composite video (sync negative).

Video

Input Impedance: 75 ohms/high-impedance, switchable.

Scanning System: EIA: RS-170 525 lines, 60 fields/second, 2:1 interlace.
CCIR: 625 lines, 50 fields/second, 2:1 interlace.

Video Gain: 30 dB.

ELECTRICAL

Input Voltage: 100-240 VAC \pm 10%.

Power Consumption: VM5094: 19.5 W.
VM5124: 20.5 W.

Heat Equivalent: VM5094: 1.1 btu/min (0.28 cal/min).
VM5124: 1.2 btu/min (0.29 cal/min).
NOTE: These figures represent the conversion of 100% of the electrical energy to heat. Actual percentage of heat generated will be less and will vary from product to product. These figures are provided as an aid in determining the extent of cooling required for an installation.

Safety Standard: UL 2044.

Radio

Emission Standard: FCC Class A.

CONTROLS

Front Panel Controls: Power ON/OFF with LED indicator.
Contrast adjustment.
Brightness adjustment.
Vertical hold.
Horizontal hold.

Rear Panel Controls: Select 75 ohm/high impedance termination slide switch.

CONNECTORS

Video Input: BNC connector.

Video Output: BNC connector.

Power Cable: 3-conductor removable line cord with grounding plug; a 120 VAC and 230 VAC line cord are supplied.

MECHANICAL

Dimensions: VM5094
Height (H): 9.4 in. (239 mm).
Width (W): 8.6 in. (218 mm).
Depth (D): 10.25 in. (260 mm).
VM5124

Height (H): 11.96 in. (304 mm).
Width (W): 12.2 in. (310 mm).
Depth (D): 12.43 in. (316 mm).

Weight: VM5094: 13.2 lb (6.0 kg).
VM5124: 20.9 lb (9.5 kg).

Shipping Dimensions: VM5094
Height: 12.0 in. (305 mm).
Width: 12.0 in. (305 mm).
Depth: 11.0 in. (280 mm).
VM5124
Height: 15.1 in. (384 mm).
Width: 14.9 in. (378 mm).
Depth: 14.75 in. (375 mm).

Shipping Weight: VM5094: 14.3 lb (6.5 kg).
VM5124: 21.7 lb (9.8 kg).

Shipping Volume: VM5094: 0.9 ft³ (0.025 m³).
VM5124: 1.9 ft³ (0.05 m³).

ENVIRONMENTAL

Operating

Temperature Range: 14 to 122° F (-10 to 50° C).

Humidity Range: -20 to 80%, relative.

Storage

Temperature Range: -20 to 140° F (-20 to 60° C).

Storage Humidity: 85% relative, noncondensing.

