



VM6093 9-Inch Color High-Performance Video Monitor

- **Convenient front panel controls**
- **Rugged steel cabinet**
- **Crisp, high-quality picture**
- **Regulated power supply**

The VM6093 color monitor produces high-quality pictures on a nine-inch (230 mm) screen. Resolution is more than 280 lines at center. Designated primarily for CCTV, the VM6093 accepts a standard NTSC or PAL color input signal.

Loop-through connectors are included with automatic termination. Front panel controls include brightness, contrast, phase, and chroma. A power switch and indicator are also located on the front panel. The VM6093 is housed in a steel cabinet.

A regulated power supply maintains excellent performance during fluctuations in line voltage.

The VM6093 complies with UL standard 1419 and meets the requirements for an FCC Class B computing device.

COAXIAL CABLE SELECTION

Using the correct coaxial cable is critical for proper system operation. The cable must meet these requirements: (1) pure copper center conductor; (2) pure copper braid shield with a minimum of 95% coverage; (3) polyethylene dielectric. If the cable is connected to a camera on a pan-and-tilt, use a multistrand center conductor. Other cable properties, such as outer jacket material, should be determined by the physical requirements of the installation.

ASSOCIATED EQUIPMENT AND ACCESSORIES

Model VM6092RK and VM6092RK-1 Rack Mounting Kits, Product Codes 4965 and 4965-01: Used to mount a double or a single VM6093 monitor, respectively, in a standard EIA 19-inch (483 mm) instrument rack.

Contractors' Specification

9-Inch Color Video Monitor

The monitor shall be a color video monitor with a 9-in. (230 mm) picture tube. It shall have a resolution of 280 TV lines. It shall provide video output looping with automatic 75 ohm termination.

Front panel controls shall include power on/off, brightness, contrast, chroma, and phase. Input power shall be 120/230 V, 50/60 Hz. Power consumption shall be 72 W at 120 VAC and 99 W at 230 VAC.

Dimensions shall not exceed: height 8.7 in. (220 mm); width: 8.75 in. (222 mm); depth: 12.5 in. (317 mm). The weight shall not exceed 15 lb (6.8 kg). The monitor shall comply with UL standard 1419 and with FCC limits for a Class B computing device in accordance with the specifications in Subpart B of Part 15 of FCC rules.

The monitor shall be Vicon model VM6093.

Technical Information

VIDEO

Screen Size: 9 in. (230 mm), measured diagonally.

Picture Tube: 90° deflection, in line electron guns, trio-dot type (phosphor dot-trio pitch 0.5 mm).

Horizontal Resolution: 280 TV lines at center.

Geometric Distortion: 3% maximum.

Video Input Signal (A and B): Composition video, 1 V p-p, 75 ohm, negative sync (bridge connection possible, auto termination).

Video Input Impedance: 75 ohms/high-Z, automatic termination.

Scanning Frequency: Horizontal
NTSC: 15.734 KHz.
PAL: 15.625 KHz.
Vertical
NTSC: 59.94 Hz.
PAL: 50 Hz.

ELECTRICAL

Input Voltage: 120/230 VAC, 50/60 Hz.

Power Consumption: 73 W at 120 V.
99 W at 230 V.

Heat Equivalent: 4.2 btu/min (1.0 kg-cal/min) at 120 V,
5.6 btu/min (1.4 kg-cal/min) at 230 V.
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 1950, Department of Health and Human Services; CSA, Department of National Health and Welfare. CE EN60950.

Radio Frequency Emission Standard: FCC Class B.

CONTROLS AND CONNECTORS

Front Panel Controls: Power, brightness, contrast, chroma, phase, volume, menu and video input selection.

Rear Panel

Connectors: Video input: BNC connector.
Video output: BNC connector.
Audio Input/Output: RCA-type connector.
Remote Control/Aspect: RCA-type.

AC Input: 3-conductor SVT VW-118 AWG cable with grounding plug for 120 V and 2 conductor 18 gauge VDE standard cable with plug for 230 V provided.

MECHANICAL

Dimensions: Height (H): 8.7 in. (220 mm).
Width (W): 8.75 in. (222 mm).
Depth (D): 12.5 in. (317 mm).

Weight: 15.0 lb (6.8 kg).

Shipping Dimensions: Height: 12.9 in. (327 mm).
Width: 12.1 in. (307 mm).
Depth: 16.8 in. (427 mm).

Shipping Weight: 17.7 lb (8.0 kg).

Shipping Volume: 1.5 ft³ (0.042 m³).

ENVIRONMENTAL

Operating

Temperature Range: 32 to 104° F (0 to 40° C).

Humidity Range: 20 to 80% relative, noncondensing.

