



9" CRT MONITOR

- HIGH PERFORMANCE: 750 LINES OF RESOLUTION
- LOW POWER: 12VDC @ 1150 mA
- HIGH RELIABILITY DESIGN: DOUBLE SIDED, PLATED THRU PCB
- CUSTOM DESIGNS AVAILABLE
- COMPETITIVE PRICE/QUICK RESPONSE

The design of the Omni-Vision 9 monitor provides high performance at a reasonable cost. Display stability over a wide temperature range and crisp resolution are the cornerstones of Omni-Vision 9's performance.

FEATURES

- All circuitry is on a single, double sided plated through PCB.
- All controls are easily accessible from the top of the monitor.
- The video display is stabilized through use of voltage controlled, temperature compensated feedback to synchronized free oscillators.
- Electronic horizontal video centering.
- The Omni Vision 9 is designed to UL, CSA specifications and applicable DHHS rules on X-Radiation.
- 10 pin edge connector.
- Polished or anti-glare faceplates.
- Omni Vision 9 Chassis.

RESOLUTION

With a video amplifier response to 26MHz in either the TTL or Composite Video version, video and alpha numeric data is displayed clearly and crisply with a Center Resolution of 750 lines.

POWER

When scanning full screen, the Omni Vision 9 operates nominally at 12VDC and 1150mA.

OPTIONS

- Remote Brightness Control
- Remote Contrast Control
- Wide Range of Phosphors
- Omni Vision 9 Kit
- BNC Video Input Connector
- +12VDC Power Connector
- 10 or 20 Pin Header

OMNI VISION INC. The CRT Monitor Specialists

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SPECIFICATIONS for 9" Chassis & Kit

CRT

- 9" Diagonal
- Neck: 20mm
- Deflection Angle: 85°
- Viewing Area: 35 sq. in. maximum

POWER

- Nominal: 12VDC @ 1150mA

DIMENSIONS

- Height: 7.25 inches
- Width: 9.50 inches
- Depth: 9.50 inches

INPUT SIGNALS

A) TTL

Signal: Positive polarity: +2.5V to +5.0V; Reverse polarity signals may require board modification.

Video: Input Impedance: 470 Ohms
Bandwidth: Within 3db from 10Hz to 26MHz

Vertical: Input Impedance: Greater than 1k Ohms
Typical Signal: 180 microSeconds
Acceptable Range: 100 to 1200 microSeconds

Horizontal: Input Impedance: Greater than 6k Ohms
Typical Signal: 4.5 microSeconds
Acceptable Range: 2.5 to 30 microSeconds

B) Composite Video

Signal: 0.7V to 1.8V of composite peak to peak video

Input Impedance: 75 Ohms

Bandwidth: Within 3db from 10Hz to 26MHz

GEOMETRIC DISTORTION

Within 2% EIA Standard Dot/Ball Chart. Variation between adjacent characters not more than 10% in alpha numeric display application.

HIGH VOLTAGE

Over 10kV at 50 microAmps of beam current with no more than 0.5kV variation from zero beam to 100 microAmps of beam current.

SCANNING FREQUENCIES

Factory adjusted for operation within 1kHz of center frequencies at 15.7kHz, 18.6kHz or 21.6kHz.

CONTROLS

Brightness, contrast, vertical size, vertical hold, vertical linearity, horizontal hold, horizontal video centering and focus.

ENVIRONMENTAL

Operating Temperature: 0°C to 55°C

Storage Temperature: -20°C to 65°C

Operating Altitude: 10,000 ft maximum

WEIGHT

Omni Vision 9 Kit: 10 lbs.

Shipping Weight: 12 lbs.

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