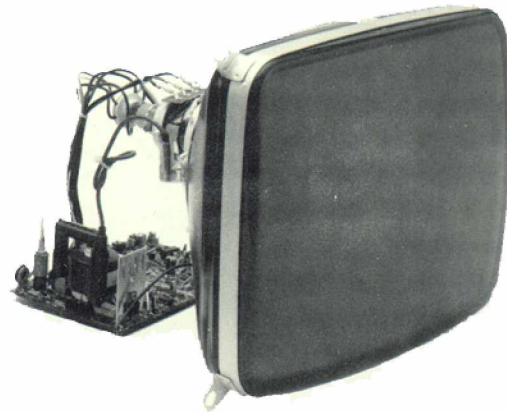


Chassis Model



Kit

14" CRT MONITOR

- **HIGH PERFORMANCE: 900 lines of Resolution**
- **LOW POWER: 12VDC @ 1250 mA**
- **HIGH RELIABILITY DESIGN: Double Sided, plated through PCB**
- **MECHANICAL & ELECTRONIC modifications available.**
- **COMPETITIVE PRICE/QUICK RESPONSE**

The design of the Omni Vision 14 monitor provides high performance at a reasonable cost. Display stability over a wide temperature range and crisp resolution are the cornerstones of Omni Vision 14'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 run oscillators.
- **Electronic horizontal video centering.**
- The Omni Vision 14 is designed to meet UL, CSA and TUV specifications and applicable DHHS rules on X-Radiation.
- 10 pin edge connector
- Polished or anti-glare faceplates.
- Omni Vision 14" 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 900 lines.

POWER

When scanning full screen, the Omni Vision 14 operates nominally at 12VDC and 1250mA.

OPTIONS

- Remote Brightness Control
- Remote Contrast Control
- Wide Range of Phosphors
- Omni Vision 14 Kit
- BNC Video Input Connector
- +12VDC Power Connector
- 10 or 20 Pin Header

OMNI VISION INC. The CRT Monitor Specialists

2000 Bloomingdale Road, Unit 245-250 • Glendale Heights, IL 60139

• Tel: 630-893-1720 • Fax: 630-893-9991

www.omnivisionusa.com • Email: info@omnivisionusa.com

SPECIFICATIONS for 14" Chassis & Kit

CRT

14" Diagonal
Neck: 20mm
Deflection Angle: 90
Viewing Area: 93 sq. in. maximum

POWER

Nominal: 12 VDC @ 1.25A.

DIMENSIONS

Height: 10.00 inches
Width: 12.43 inches
Depth: 11.69 inches

INPUT SIGNALS

A) TTL

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

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 microsecond

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

B) Composite Video

Signal: 0.7V to 1.8V of composite peak to peak video
RS 170 compatible or NTSC

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 microamperes of beam current with no more than 0.5kV variation from zero beam to 100 microamperes of beam current.

SCANNING FREQUENCIES

Factory adjusted for operation within 1kHz of center frequencies at 15.7kHz to 44kHz.

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
Humidity: 95% relative humidity/non condensing

WEIGHT

Omni Vision 14" Kit: 12 pounds
Shipping Weight: 14 pounds

OTHER DATA

Warranty: One year
Regulatory Agency Compliance: UL, CSA and TUV

The CRT Monitor Specialists

OMNI VISION INC.

2000 Bloomingdale Road, Unit 245-250 • Glendale Heights, IL 60139 • Tel: 630-893-1720 • Fax: 630-893-9991
www.omnivisionusa.com • Email: info@omnivisionusa.com

All specifications are subject to change without notice. OMNI VISION reserves the right to make changes in the product at any time to improve the performance, reliability or quality.
Copyright 1996, OMNI VISION, INC., Glendale Heights, Illinois, U.S.A. All rights reserved. Publication 96-2174