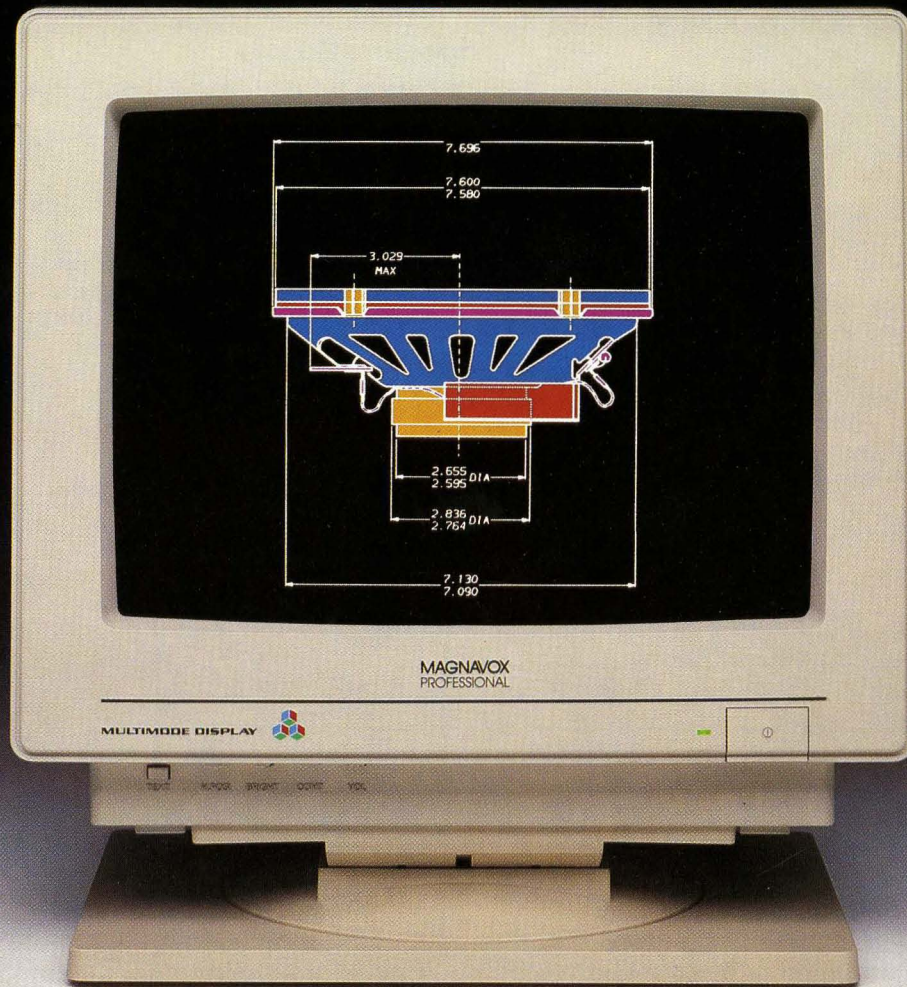


# MULTIMODE DISPLAY

14" diagonal Multiple Scan Rate Color Monitor

**MAGNAVOX**  
PROFESSIONAL

**8CM873**



- Multimode text/graphics design permits operational compatibility with all current computer standards
- Raster scan operation in 3 frequency bands from 15kHz to 34kHz
- Accepts RGB video in digital and analog form
- Accepts line level audio input
- Image resolution of up to 926 dots (horizontal) and 580 lines (vertical)
- Green text mode display switch
- Convenient tilt/swivel base available

**Nobody puts it together like MAGNAVOX**

# 8CM873 Multiple Scan Rate Color Monitor

**Multimode Text/Graphics Design** • permits operational compatibility with virtually all current computer graphics standards. The Multimode display is compatible with:

MODE	RESOLUTION	SCAN RATE
IBM CGA	640 × 200	15.7kHz Sweep
IBM EGA	640 × 350	15.7/21.8kHz Sweep
AT&T Graphics	640 × 400	24.75kHz Sweep
IBM PGC	720 × 480	30.48kHz Sweep

**Raster Scan Operation In 3 Frequency Bands From 15kHz to 34kHz** • The Multimode display is designed to function in 3 frequency bands: 15-17kHz, 21-25kHz and 29-34kHz. Switching between bands is automatic.

**Accepts RGB Video In Digital or Analog Form** • To insure compatibility with present and future computer designs, the Multimode display will accept digital (RGBI, TTL, RGBrgb) or analog RGB signals.

**Accepts Line Level Audio Signals** • For use with peripherals which generate sound, the Multimode is equipped with an audio input, speaker and headphone jack.

**Image Resolution of Up To 926 Dots (horizontal)** • An ultra-fast video amplifier in the Multimode display, coupled with a fine pitch CRT, provides up to 926 pixels of display per scan line.

**Image Resolution of Up To 580 Lines (vertical)** • The fast scan capability of the Multimode display provides up to 580 image lines for rock-solid text and graphics.

**Green Text Mode Display Switch** • For text intensive applications, you may switch the monitor into a green-only display mode, emulating the appearance of a monochrome monitor.

**Convenient Tilt/Swivel Base Available** • For the maximum in user convenience, a full-function 25° tilt/180° swivel base is available.

**Limited One Year Parts and Labor Warranty** • Solid evidence that this is a reliable product, supported nationally by Magnavox.

## Specifications:

**CRT Type:** 14" (13" visual) diagonal 90° in-line gun. Dark glass faceplate. 0.31mm dot pitch.

**Phosphor Type:** P22

**Power Source:** 120V 60Hz

### Input Signals:

RGBI TTL Levels

RGBrgb TTL Levels

RGB Analog 0-0.7 V p-p

Line Level Audio 0-1.0v p-p

Separate or composite sync

Separate syncs

Separate or composite

syncs

**Bandwidth:** Greater than 25MHz

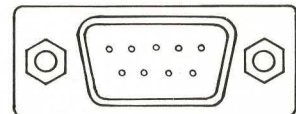
**Weight:** 29 pounds

**Display Image Size:** 250mm × 180mm

**Geometry Distortion:** 2.5% Max

## RGB CONNECTION

PIN NO.	DIGITAL RGB		ANALOG RGB
	16 COLORS	64 COLORS	
1	Ground	Ground	Ground
2	—	2nd Red	—
3	Red	1st Red	Red
4	Green	1st Green	Green
5	Blue	1st Blue	Blue
6	Intensity	2nd Green	—
7	Composite Sync. (0.3 — 1V p-p/75 ohm; Neg.)	2nd Blue	Composite Sync. (0.3 — 1V p-p/75 ohm; Neg.)
8	Horizontal Sync./Composite Sync. TTL	Horizontal Sync./Composite Sync. TTL	Horizontal Sync./Composite Sync. TTL
9	Vertical Sync. TTL	Vertical Sync. TTL	Vertical Sync. TTL



9 Pin-D Connector (Female)  
(View from wiring side of  
cable connector)

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