



Tech Info Library

ColorMonitor IIC, ColorMonitor IIE: Specs (Discontinued)

Revised: 9/14/93
Security: Everyone

ColorMonitor IIC, ColorMonitor IIE: Specs (Discontinued)

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I. Technical Specifications

A. Picture Tube

1. 14-inch diagonal (13 inch view)
2. Dot pitch: 0.52mm
3. High contrast (black matrix)

B. Input Signal:

1. Composite (NTSC) only
2. Synchronous negative
 - 1.0 +/- 0.5-volts peak to peak
 - internally terminated with 75 ohm resistor.
3. Input connector: RCA (phono) jack

C. User Controls:

1. Front:
 - Power switch
 - High resolution (white only) button
 - Brightness
 - Contrast
 - Color (hue intensity)
 - Tint
2. Rear:
 - Vertical size
 - Vertical hold
 - Horizontal hold
3. Side: Power switch of ColorMonitor IIC

D. Scanning Frequencies

| | Horizontal Scan | Vertical Scan |
|------------|-----------------|---------------|
| 1. NTSC/60 | 15.734 kHz | 60 Hz |

2. NTSC/50-PAL/50 15.659 kHz 50 Hz

E. Color Reference Frequency

- 1. NTSC/60 Hz: 3.579545 MHz
- 2. NTSC/50 Hz: 3.562456 MHz
- 3. PAL/50 Hz: 4.433618 MHz

F. Video Bandwidth

| | Text Video (Monochrome) | Graphics Video (Color) |
|---------|----------------------------|---------------------------|
| 1. NTSC | 8.0 MHz | 3.0 MHz |
| 2. PAL | 8.0 MHz | 3.8 MHz |

G. Physical Dimensions:

- 1. Weight: 27.56 lbs (12.5kg) maximum

| | inches IIE/IIc | centimeters IIE/IIc |
|------------|-------------------|------------------------|
| 2. Width: | 14.4/13.4 | 36.7/34.0 |
| 3. Height: | 12.4 | 31.5 |
| 4. Depth: | 14.4 | 36.5 |

H. Power Consumption:

- 1. 50 watts normal at 120VAC
- 2. 75 watts maximum
- 3. Fuse Protection:
 - The monitor contains internal power line fuse protection.
This fuse should be replaced with the same type by a qualified service technician.

I. Input Voltage

| Model | Operating Range | Power Frequency |
|---------|-----------------|-----------------|
| 1. 120v | 108-132 | 50-60 Hz |
| 2. 220v | 198-242 | 50-60 Hz |
| 3. 240v | 216-264 | 50-60 Hz |

NOTE: Input voltage is not adjustable within the monitor.

J. Environment:

| | Degrees | |
|---------------|------------|-----------|
| | Fahrenheit | Celsius |
| 1. Operating: | 41 to 86 | 5 to 30 |
| 2. Storage: | -31 to 140 | -35 to 60 |

II. System Configuration

A. ColorMonitor IIe:

1. Apple II
2. Apple II Plus
3. Apple IIe

B. ColorMonitor IIc: Apple IIc

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