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Macintosh 128K and 512K: Video Screen Specs (Discontinued)

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Security: Everyone

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TOPIC -----

This article contains video screen specifications for the Macintosh 128K and Macintosh 512K.

DISCUSSION -----

I. Power:

A. Input: 115 VAC plus or minus 5% (105V to 125V AC, RMS), 50/60 Hz
(frequency independent)

B. Consumption:

1. 30 Watts under normal viewing conditions
2. 60W including Video

II. Video:

A. Bandwidth: 18 MHz

B. Resolution: 512 by 342 pixels

C. Linearity: 800 TV lines at corners

D. Display capability:

1. Bit-mapped
2. Depends upon application, font, and font size
 - a. 105 columns by 27 rows in MacWrite 4.5 using Courier font at 9 points

E. CRT size: 9 inch diagonal

F. Phosphor: P4 (Aluminized)

G. Display rate: 60.15 Hz

H. Anti-glare treatment

I. External physical dimensions:

1. Width: 9.7 inches
2. Height: 13.5 inches
3. Depth: 10.9 inches
4. Weight: 16 pounds 8 ounces (including CRT)

I. CRT physical dimensions:

1. Height: 4.61 plus or minus 0.225 inches (plus or minus 11 mm)
2. Width: 6.72 plus or minus 0.155 inches (plus or minus 8 mm)
3. In production, the dimensions deviate from ideal at a maximum of 5%. Just as with any other CRT, operating temperatures will cause the image to shrink along the vertical axis. This deviation is probably not large enough to warrant adjustment of the screen.

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