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Macintosh LC: Maximum Video Depth

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TOPIC -----

What is the maximum video depth the Macintosh LC's built-in video supports?

DISCUSSION -----

The Macintosh LC's built-in video supports a maximum video depth determined by two variables:

- The size of the monitor connected to the Macintosh LC, and
- The amount of video RAM installed in the Macintosh LC.

If the Macintosh LC has 256K of video RAM installed, then the bit depth for the Macintosh 12-inch RGB display will be 8 bits per pixel, and for the 13-inch High Resolution RGB Monitor, the depth will be 4 bits per pixel.

If the Macintosh LC has 512K of video RAM installed, then the bit depth for the Macintosh 12-inch RGB display will be 16 bits per pixel, and for the 13-inch High Resolution RGB Monitor, the depth will be 8 bits per pixel.

Four bits per pixel will give you 16 colors or shades of gray on the screen at one time. Eight bits will give you 256 colors or shades of gray. Sixteen bits will give you thousands of colors.

It's possible to achieve 24 bits per pixel on the Macintosh LC through third-party Macintosh LC PDS video cards.

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