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PCI-based PC Compatibility Cards Video Capabilities (4/97)

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TOPIC -----

What are the video capabilities of the PCI-based PC Compatibility Cards?

DISCUSSION -----

Both the 7-inch and the 12-inch cards have 1 MB built-in video memory (VRAM) for the following capabilities:

Begin_Table

Resolution	Max Colors
-----	-----
640x480	16.7 million
800x600	65,536
1024x768	256
1152x864	256

End_Table

The 12-inch card also has two sockets to increase video DRAM to 2 MB. These sockets accommodate 5V, 256K x 16, 60 ns, standard fast-page mode SOJ package DRAM devices (40 pin), such as Micron #MT4C16257DJ-6, NEC #UPD424260LE60R, Samsung #KM416C256BJ-6, or Hyundai #HY514260BJ-60.

These are the maximums with 2 MB video memory (VRAM) for the 12-inch card:

Begin_Table

Resolution	Max Colors
-----	-----
640x480	16.7 million
800x600	16.7 million

1024x768	65,536
1152x864	65,536
1280x1024	256

End_Table

A multiple-scan monitor is required to reach some resolution/color depth combinations. For particular resolutions/color depths, the monitor must support the resolution at refresh rates that are indicated in Appendix C of your PC Compatibility Card User's Manual.

Article Change History:

- 08 Apr 1997 - Edited for technical accuracy.
- 16 Sep 1996 - Added VRAM to text for searchability.
- 29 Jul 1996 - Reviewed and updated for technical accuracy.

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