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Macintosh Monitor and Video Chart (4 of 4) (11/96)

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TOPIC -----

This article provides a list of Apple Macintosh systems and the monitor and video options each can use.

DISCUSSION -----

Begin_Table

	21-in Color*	Multiple Scan 20 Display*	1710AV 1710
Part Number	M5812LL/A	M2612LL/A M2612LL/B	M3323LL M3322LL
Resolution (pixels)	1152 x 870	1152 x 870	1280x1024
Power Frequency (Hz)	47-63	47-63	47-63
Power Voltage (VAC)	85-70	90-132, 198-260	90-132, 198-260
Vertical Refresh	75 Hz	75 Hz	75 Hz
Horizontal Refresh	68.7 kHz	68.7 kHz	80 kHz
Dots Per Inch (DPI)	79	79	
Dot Pitch	0.26 mm	0.31 mm /A 0.26 mm /B	0.26 mm

* These monitors display the same video depth at this resolution, so only one column is listed in the chart for all monitors.

LC Family	VRAM	21-in Color, Multi-Scan 20-in Display @ 1152 x 870	1710AV 1710 @1280 x 1024
LC/LC II	256K 512K	N/A N/A	N/A N/A
LC III	512K 768K	N/A N/A	N/A N/A
LC 475	512K 1MB	16 C 256 C	N/A N/A
LC 520	512K 768K	N/A N/A	N/A N/A
LC 550	512K 1MB	N/A N/A	N/A N/A
LC 575		N/A	N/A
LC 630		N/A	N/A

C = Number of Colors

Performa Family	VRAM	21-in Color, Multi-Scan 20-in Display @ 1152 x 870	1710AV 1710 @1280 x 1024
400/405 /410/430	256K 512K	N/A N/A	N/A N/A
450	512K 768K	N/A N/A	N/A N/A
460/466 /467	512K 768K	N/A N/A	N/A N/A
475/476	512K 1MB	16 C 256 C	N/A N/A
550/560 /575/577 /578		N/A	N/A

600/600CD	512K	N/A	N/A
	1MB	N/A	N/A
630		N/A	N/A
6200		N/A	N/A
6300		N/A	N/A
6400	1 MB	N/A	N/A
Mac TV		N/A	N/A

C = Number of Colors

Macintosh II Family	VRAM	21-in Color, Multi-Scan 20-in Display @ 1152 x 870	1710AV 1710 @1280 x 1024
IIsi		N/A	N/A
IIci		N/A	N/A
IIvi/IIvx	512K 1MB	N/A N/A	N/A N/A
II, IIX, IICx, IIFx		No built-in video, requires card.	Requires Video Card

Centris /Quadra Family	VRAM	21-in Color, Multi-Scan 20-in Display @ 1152 x 870	1710AV 1710 @1280 x 1024
605	512K 1MB	16 C 256 C	N/A N/A
610/650	512K 1MB	16 C 256 C	N/A N/A
660AV	1MB	256 C	N/A

630		N/A	N/A
700	512K	16 C	N/A
	1MB	256 C	N/A
	2MB	256 C	N/A
800	512K	16 C	N/A
	1MB	256 C	N/A
840AV	1MB	256 C	N/A
	2MB	32,768 C	N/A
900	1MB	256 C	N/A
	2MB	256 C	N/A
950	1MB	256 C	N/A
	2MB	32,768 C	N/A

C = Number of Colors

Note: For the Quadra/Centris AV computers pixel and viewable color numbers are for computer graphics only. When video is enabled, VRAM is split evenly between graphics and video.

The following computers are in the Macintosh 630 family: Performa 630, Performa 635, Performa 636, Performa 637, Performa 638, LC 630, and Quadra 630.

Power Macintosh Family	VRAM	21-in Color, Multi-Scan 20-in Display @ 1152 x 870	1710AV 1710 @1280 x 1024
5400	1MB	N/A	N/A
6100	HDI45*	N/A	N/A
6100AV	2MB	32,768 C	N/A
7100	HDI45*	N/A	N/A
	1MB	256 C	N/A
	2MB	32,768 C	N/A
7100AV	2MB	32,768 C	N/A
7200	1MB	256 C	N/A**
	2MB	32,768 C	N/A**
	4MB	32,768 C	N/A**

7500	2MB	32,768 C	32,768 C
	4MB	16.7M C	32,768 C
7600	2MB	32,768 C	32,768 C
	4MB	16.7M C	32,768 C
8100	HDI45*	N/A	N/A
	2MB	32,768 C	N/A
	4MB	16.7M C	N/A
8100AV	2MB	32,768 C	N/A
8500	2MB	32,768 C	32,768 C
	4MB	16.7M C	32,768 C
9500/120	2MB	32,768 C	N/A**
	4MB	16.7M C	N/A**

* = HDI-45 port makes use of 640K of internal DRAM memory.

** = When the ATI graphics card is used you can get 256 C with 2MB of VRAM on the card. You get 32,768 C with 4MB of VRAM on the ATI card.

C = Number of Colors

Note: For the Power Macintosh AV computers pixel and viewable color numbers are for computer graphics only. When video is enabled, VRAM is split evenly between graphics and video.

PowerBook Family	VRAM	21-in Color, Multi-Scan 20-in Display @ 1152 x 870	1710AV 1710 @1280 x 1024
160/165 /c/180/c		N/A	N/A
500 Series		N/A	N/A
Duo Dock	512K 1MB	N/A N/A	N/A N/A
MiniDock	512K	N/A	N/A
Duo Dock II		256 C	N/A

C = Number of Colors

Display Cards	21-in Color, Multi-Scan 20-in Display @ 1152 x 870	1710AV 1710 @1280 x 1024
Macintosh II	N/A	N/A
2-Page Mono Card	N/A	N/A
Portrait	N/A	N/A
Mono	N/A	N/A
High-Res Card (4)	N/A	N/A
Ext High-Res Card	N/A	N/A
4•8 (5)	16 C (1)	N/A
8•24	256 C (1)	N/A
8•24GC	256 C (1)	N/A
Display Card 24 AC	16.7M C	N/A

C = Number of Colors

- (1) - Requires Display adapter to use Multiple Scan Displays at this resolution.
- (2) - Can be upgraded with eight (8) Mac II Video Expansion RAM chips (Service PN: 334-002) for 256 grays/colors.
- (3) - The 4•8 can be upgraded to a 8•24 by adding two (2) VRAM SIMMs (Service PN: 661-0609).

End_Table

Article Change History:

- 27 Nov 1996 - Added 6300 Series information.
- 18 Nov 1996 - Added 6400.
- 21 May 1996 - Corrected the 8500 and 7500 bit depth.

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