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Display Card 8/24GC: Third-Party Monitor Support

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TOPIC -----

Will Apple's new video cards, specifically the Macintosh Display Card 8/24GC, support third-party monitors? I am particularly interested in RasterOps and SuperMac 19-inch monitors.

DISCUSSION -----

The Macintosh Display Card 8/24GC supports any display that meets one of the following specifications:

Sense pins			Hor x Vert	Dot	Vert	Horiz
10	7	4	Display	Pixels	Clock	Refrsh
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0	0	1	Apple Portrait Display	640 x 870	57.2832	75 68.9
0	1	1	Apple Two-Page Monitor	1152 x 870	100	75 68.7
1	1	0	12" Apple Monochrome Monitor	640 x 480	30.24	66.7 35.0
1	1	0	13" AppleColor RGB Monitor	640 x 480	30.24	66.7 35.0

0 - Grounded 1 - Not Connected

Note that sense pins 4, 7, and 10 are referred to as SENSE0, SENSE1, and SENSE2 in pinout tables for the video connectors.

None of the RasterOps or SuperMac 19-inch displays meets the above specifications. Based on this, we do not think that they will work properly.

Here are the pinouts for the Macintosh Display Card 8-24 GC:

Pin	Description
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1	Red Video Ground
2	Red Video
3	Composite Sync
4	SENSE0
5	Green Video
6	Green Video Ground

7	SENSE1
8	Not Connected
9	Blue Video
10	SENSE2
11	Composite Sync and Vertical Sync Ground
12	Vertical Sync
13	Blue Video Ground
14	Horizontal Sync Ground
15	Horizontal Sync
Shell	Chassis Ground

SuperMac has announced two new monitors that work with the new Apple video cards: the "Color Two-Page Display" and the "Platinum Two-Page Display."
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