

Reading

Hear & Baker, *Computer graphics (2nd edition)*, Chapter 2: Video Display Devices, p. 36-48, Prentice Hall

Optional

- I.E. Sutherland. Sketchpad: a man-machine graphics communication system. *Proceedings of the Spring Join Computer Conference*, p. 329-346, 1963.
- T.H. Myer & I.E. Sutherland. On the design of display processors. *Communications of the ACM* 11(6): 410-414, 1968.





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11



Passive matrix displays use a matrix of electrodes to control the voltages. Problem: slow to switch, overflows.





 Resolution The display's resolution is determined by: number of scan lines number of pixels per scan line number of bits per pixel 				
Examples:	itmapped display TSC TV olor workstation aser-printed page 00 dpi 200 dpi ilm	60 x 1152 x 1b 40 x 480 x 16b 280 x 1024 x 24b .5 x 11 x 300 ² x 1b .5 x 11 x 1200 ² x 1b 500 x 3000 x 30b	/8 MB /2 MB MB 7 MB 0 MB	14















