



Display

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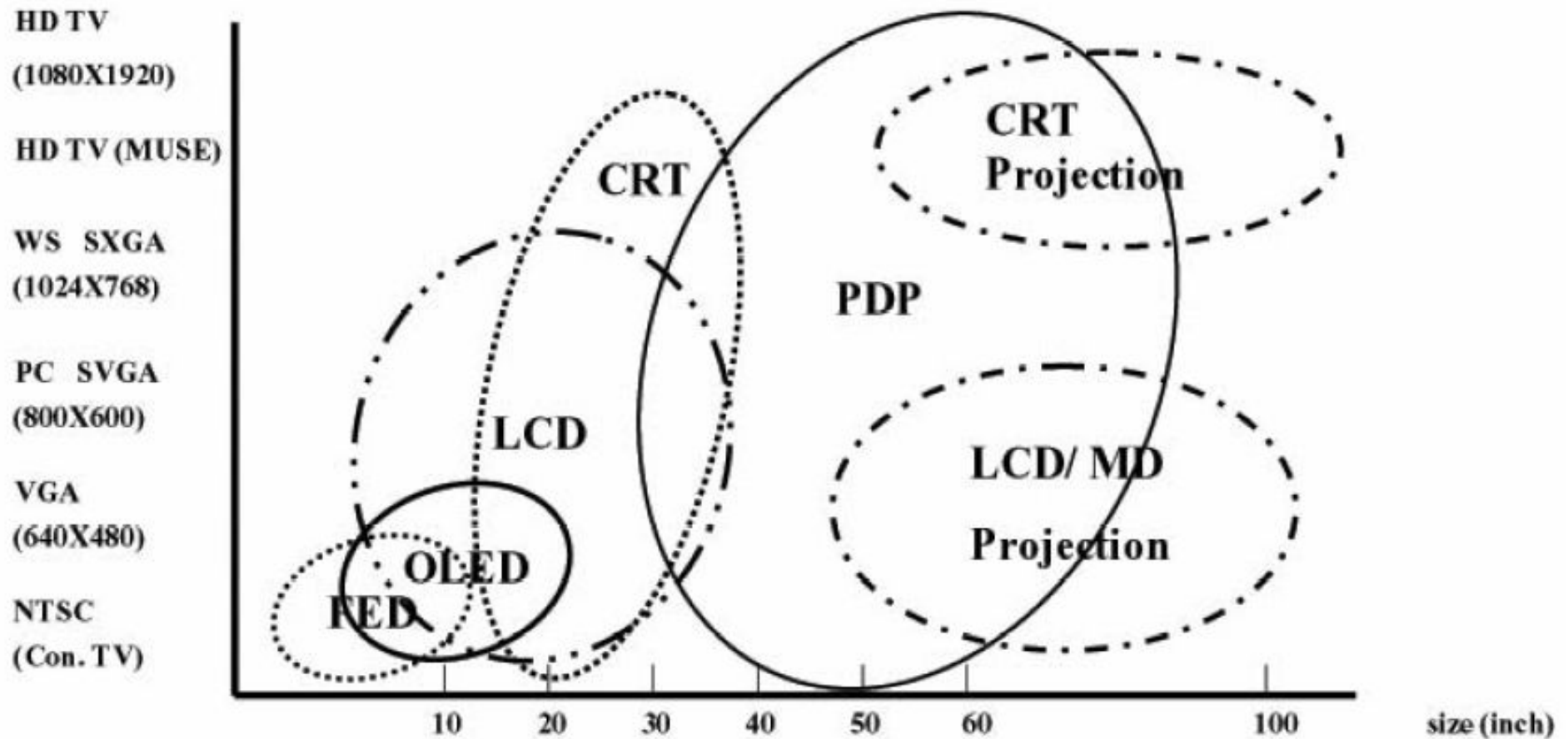
- **Display technology** - Currently, the choices are mainly between CRT and LCD technologies.
- **Cable technology** - VGA and DVI are the two most common.
- **Viewable area** (usually measured diagonally)
- **Aspect ratio and orientation** (landscape or portrait)
- **Maximum resolution**
- **Brightness**
- **Contrast**
- **Dot pitch**
- **Refresh rate** (CRT) or **response time** (LCD)
- **Color depth**
- **Amount of power consumption**

Display Technology

- CRT (cathode ray tube)
- LCD (liquid crystal display)
- PDP (plasma display panel)
- LED (light emitting diode)
- OLED (organic LED)

Display Technology

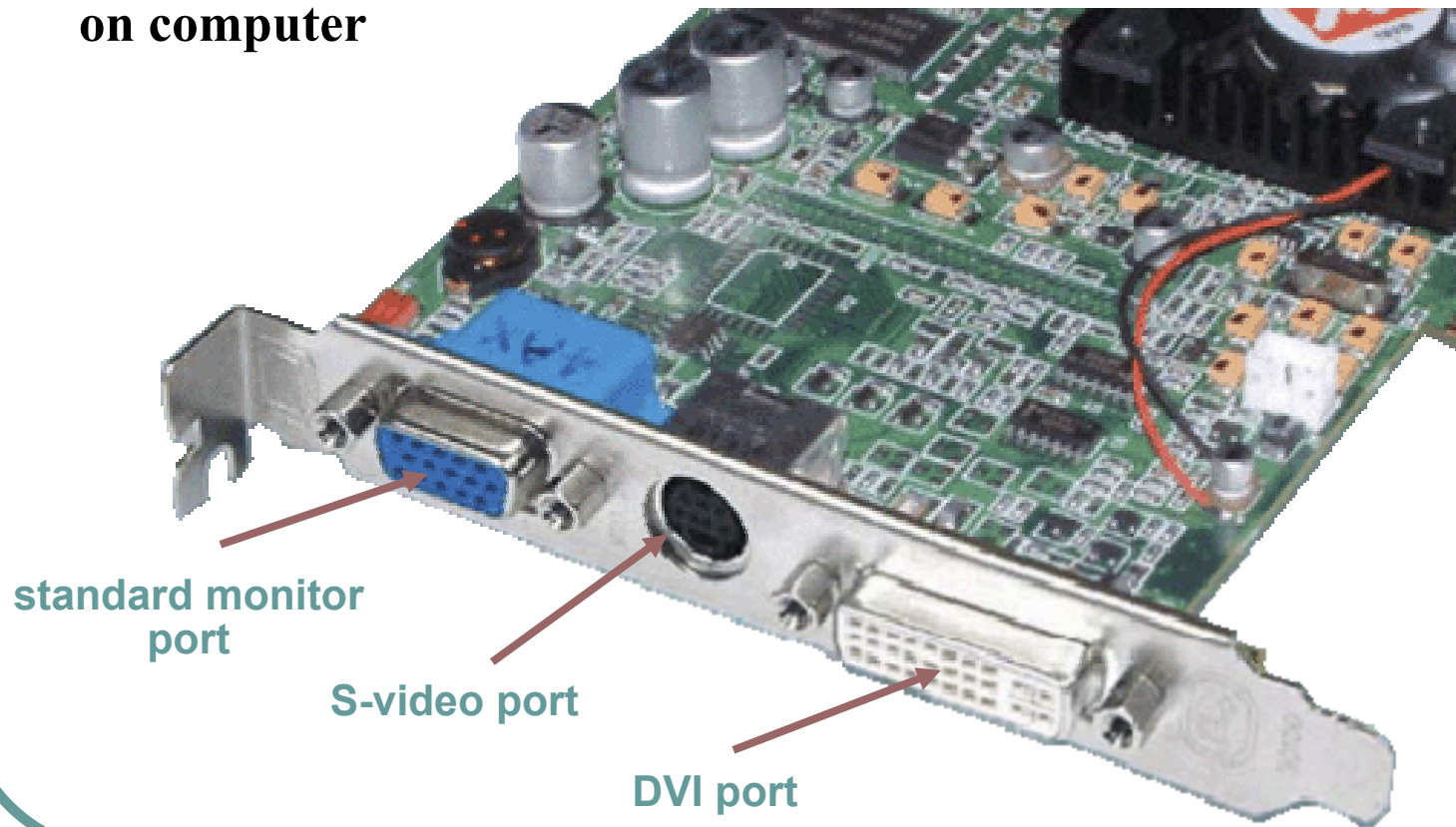
□ Display Screen Size



Cable Technology

Flat Panel with DVI card

- Plug monitor into **Digital Video Interface (DVI)** port on computer



Resolution

Standard	Suggested Resolution	Maximum Possible Colors
Monochrome Display Adapter (MDA)	720 x 350	1 for text
Video Graphics Array (VGA)	640 x 480	16
	320 x 200	256
Extended Graphics Array (XGA)	1024 x 768	256
	640 x 480	65,536
Super Video Graphics Array (SVGA)	800 x 600	16.7 million
	1024 x 768	16.7 million
	1280 x 1024	16.7 million
	1600 x 1200	16.7 million
Beyond SVGA	1920 x 1440	16.7 million
	2048 x 1536	16.7 million

Color Depth

Video Memory	Color Depth	Number of Colors	Maximum Resolution
1 MB	8-bit	256	1024 x 768
	16-bit	65,536	800 x 600
2 MB	8-bit	256	1024 x 768
	16-bit	65,536	1280 x 1024
	24-bit	16.7 million	800 x 600
4 MB	24-bit	16.7 million	1024 x 768
6 MB	24-bit	16.7 million	1280 x 1024
8 MB	32-bit	16.7 million	1600 x 1200
16 MB	32-bit	16.7 million	1920 x 1440
32 MB	32-bit	16.7 million	2048 x 1536
64 MB	32-bit	16.7 million	2048 x 1536
128 MB	32-bit	16.7 million	2048 x 1536