

Computer Monitors

Computer Monitors are the display devices used to view the display output of a computer. The Technology of Monitors is rapidly expanding. Now you can even connect multiple monitors to a single computer. This document briefly talks about CRT and LCD Monitors.

CRT Monitors

CRT Means “**Cathode Ray Tube**”, CRT monitor has more lines of dots per inch, higher the lines more amount of the resolution. It creates the picture by number of rows or lines of the small tiny dots. Consider this Resolution 1024 x 768 resolution will be sharper than 800 x 600 resolution. It describes the technology inside an analog computer monitor.

LCD Monitors

LCD Monitors are called as “**Liquid Crystal Display**”, It is an LCD Technology. Liquid Crystal Display consists of two sheets of polarizing material with a liquid crystal solution between them. When an electric current passed through the liquid crystal solution, crystals align so that light cannot pass through them. It is like a shutter either allows light to pass through or Blocking the light.

Comparison between CRT and LCD Monitors

Given below section compares CRT and LCD monitors with respect to size and weight.

CRT Monitors are heavy and occupies more space at the desk and the major weight of CRT Monitors is due to heavy weight of Cathod Ray Tube.

LCD Monitors have thin flat screen and even can be fixed on walls, occupies less space as compared to CRT Monitors and are indeed lighter than the CRT Monitors.

1. Display Size Of Monitor

Display size of a monitor is calculated diagonally, the actual display size is smaller. Consider 17" CRT monitor will actually have a display size of only 16" inch Size. The CRT monitor comes in 15-inch to 21-inch sizes (38 — 53 cm) and larger. Display size of a LCD monitor: Display size of 17" LCD monitor will have 17" Display size.

2. Resolution

Every monitor supports upto it's maximum resolution. The actual display resolution you will get on your monitor will depend on what maximum resolution your graphics card can support and what maximum display resolution your monitor can display, whichever is lowest.

3. Price

CRT monitors are much cheaper than LCD however they consume more power as compared to counterpart LCD Monitor.

4. Radiation Emission

The radiation emission in CRT monitors are higher as compared to LCD Monitors. Working on CRT Monitors for continous long hours may affect eyesight or cause head ache.

Advantages of CRT Monitors

The primary advantage that Cathode Ray Tube monitors hold over Liquid Crystal Display is their color rendering, contrast ratios. Depth of colors displayed are much greater and stronger with CRT monitors rather than LCD monitors. CRT Monitors cost less as compared to LCD Monitors of equivalent size.

Advantages of LCD Monitor

The biggest advantage of LCD monitors is their size and weight. LCD monitors do not have high radiation emission. LCD screen also tend to produce less eye fatigue to the user.

Few companies which provide Computer Monitors

Dell	Sanyo
View sonic	Acer
HP (116)	Ben Q
Lenovo	Asus
LG Electronics	Envision
NEC Corporation	Philips
Hitachi America Ltd.	Panasonic
Samsung	Canon

Prices of the LCD Monitors

Price Range Starts form the \$ 79.99 to \$ 469.99 More or less,It depends on the Brand Name
The LCD monitor comes in 17-inch to 42-inch sizes and larger.

Connect Multiple Monitors to your Computer

Now with latest Windows Opearting System , you can connect multiple monitors to your computer. There are benefits and overheads when connecting multiple monitors to your computer. In case you do want to know more about connecting multiple monitors, do have a look at <http://www.murgee.com/multiple-monitors/>.

In case you are using only one monitor (LCD or CRT) with your computer, you can add another monitor to your computer making your computer a **dual display** computer system.

When having dual displays connected to your computer, you may wish to have more control over your dual displays, where you can find the dual display utility useful. Have a look at <http://www.murgee.com/MurGeeMon/> for controlling your dual monitors / displays , controlling mouse cursor and more.

Feedback

Please do write to us at support@murgee.com in case you have any issues / concerns about the document. Visit us at <http://www.murgee.com/>

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