



Current Resolution Standards

Televisions in America and Canada are of the following resolutions:

- SDTV: 480i (720×480 split into two 240-line fields)
- EDTV: 480p (720×480)
- HDTV: 720p (1280×720)
- HDTV: 1080i (1280×1080, 1440×1080, or 1920×1080 split into two 540-line fields)
- HDTV: 1080p (1920×1080 progressive scan)

Computer displays have different resolutions. Currently, 1024x768 is regarded as an acceptable default.

LCD & Plasma Display Screen Resolution

Just about every LCD and Plasma computer screen and television sold today features a fixed-pixel display. The pixels are arranged in a grid and the number of them in your screen is represented by the screen resolution (see below). The higher number is the horizontal number and the smaller number the vertical number of pixels. All fixed pixel displays have a native resolution specification that tells you how many pixels the display actually has. A couple of typical native resolutions for HDTV are 1080p and 720p, for computers typical resolutions might be 1024 x 768, 1280 x 1024, 1366 x 768, etc.

Your video source, however (computer, DVD player, cable box, etc.) probably outputs a different resolution than your display's native resolution. No matter what the resolution of the source material a fixed pixel display converts, or scales, the image to fit the native resolution of the display. If the incoming source has more pixels than the display's native resolution you will lose some detail and sharpness, although it may be difficult to notice the difference with the naked eye. If the incoming source has fewer pixels than the native resolution you're not going to get any extra sharpness from the display's pixels. So, while most any video signal will 'convert' to the display's native resolution, it is always best to try to match the source resolution to the display's native resolution. This will minimize any anomalies that may be caused by the conversion process. Find out what resolution your video presentation was created in and try to rent a display that has that resolution as 'native'. This will insure your presentation can be the best it will be.

<u>Computer Display Format</u>	<u>Resolution</u>
Widescreen Ultra eXtended Graphics Array WUXGA	1920x1200
Full High Definition FULLHD	1920x1080
Widescreen Super eXtended Graphics Array Plus WSXGA+	1680x1050
Ultra eXtended Graphics Array UXGA	1600x1200
Widescreen Super eXtended Graphics Array WSXGA	1440x900
Widescreen eXtended Graphics Array WXGA	1366x768
Super eXtended Graphics Array SXGA	1280x1024
Widescreen eXtended Graphics Array WXGA	1280x960
Widescreen eXtended Graphics Array WXGA	1280x800
Widescreen eXtended Graphics Array WXGA	1280x768
Widescreen eXtended Graphics Array WXGA	1152x864
eXtended Graphics Array XGA	1024x768
Super Video Graphics Array SVGA	800x600
Video Graphics Array VGA	640x480