

What is projector resolution?

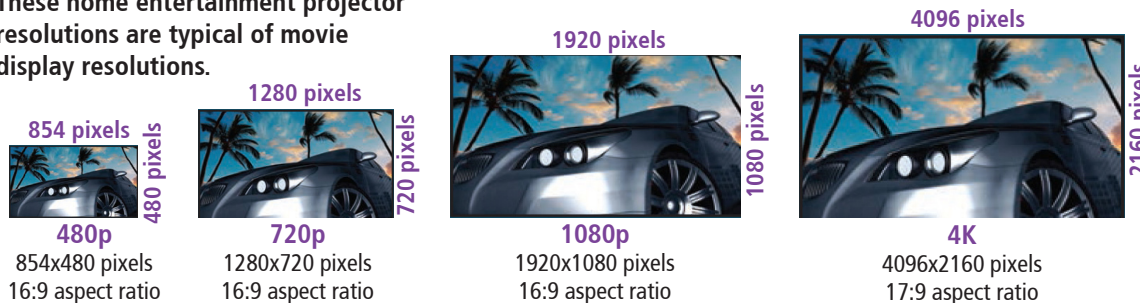
Resolution is the number of dots, or pixels, used to display an image. Higher resolutions mean that more pixels are used to create the image, resulting in a crisper, cleaner image. High resolution is important for projecting detailed charts and graphs, text and high-definition video.

More pixels mean higher resolution and more detail.

These business projector resolutions are typical of computer display resolutions so you can choose the projector that has the same resolution as your computer.



These home entertainment projector resolutions are typical of movie display resolutions.



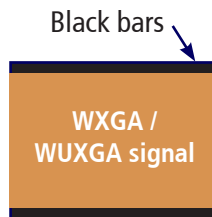
What is aspect ratio?

Aspect ratio is the image length divided by the image width.

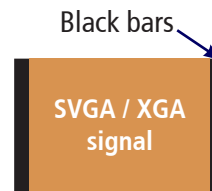
If you send a 4:3 signal to an SVGA or XGA projector or a 16:10 signal to a wide-screen projector, your images will fill the entire screen.



BUT If you send a 16:10 signal to an SVGA or XGA projector, your image will look like this:



OR If you send a 4:3 signal to a wide-screen projector, your image will look like this:



Q & A

Q: What happens when I connect an output device whose resolution doesn't match the projector's native resolution?

A: Basically the lowest resolution device controls the image detail.

- For example, if a DVD player (480p) is connected to a WXGA projector, the projector can only work with the detail provided by the DVD player.
- Also, if a Blu-ray player (1080p) is connected to an SVGA projector, the projector only has its native resolution with which to produce the image.
- If you are projecting a variety of media and high-detail presentations, a WXGA or WUXGA projector would be a good choice.

Q: So, in general, what projector resolution should I recommend for different types of content?

Resolution	Details	Suggested Content
SVGA	Low resolution	Basic Presentations
XGA	Common on older computers	Standard Presentations and short video clips
WXGA/720p	Common on new laptops	Presentations with detailed graphs, charts & spreadsheets
WUXGA/1080p	High end workstations and in large venues	CAD drawings, detailed schematics, Blue Ray, HD content
480p	Low resolution	TV
720p	Lowest HD resolution	HD TV and DVDs
1080p	Full HD resolution	HD TV, Blue Ray, WXGA content