

Spring 2013

What is 4k Video and Why Do I Need It?

The electronics industry is always striving to come up with the next great thing, and HDTV is no exception. Just when you thought your new TV was as good as it would ever need to be, along comes a technology that will make that shiny new TV look old fashioned, fuzzy, tiny and generally out of date. 4k is becoming the new resolution standard and will give you a picture that has four times the definition of Blue-ray, and about 6 times better resolution than HDTV!

The broadcast and digital cinema industries have been working towards this for a while now, and the simulation and aerospace imaging sectors constantly strive for higher image quality.

Sony has already come out with 4K video (to some degree), and this will continue until it is the new norm. One of the issues people will face is their projection screens – many are not capable of displaying this level of quality. Remember, it is actually the screen you are watching, not the projector.

Stewart Filmscreen uses advanced automotive coating technology, not simply a piece of white vinyl as many other screen companies use. Their production techniques are utterly unique in this way. Stewart's aerospace customers have demanded (and Stewart has been delivering) screens that work perfectly for scientific imaging in excess of what 4k video projection requires.

Today we can we design home theater systems with projectors and screens that will do 4K video. Hollywood is a little behind, and resolution is not the only change coming. James Cameron and Peter Jackson are working in 4K with higher frame rates for their next films, so stay tuned for even better pictures in the future, which will allow for even bigger screens, which will get us even closer to reality.

