

Digital Projection TITAN 1080p LED-3D Projector 1080p 2000/2000x1 /1920x1080

The world's first 3-chip LED projector for elite home entertainment and beyond

Inspiring Color that Breathes Life into your Content DP's TITAN 1080p LED 3D merges the long-recognized precision and power of the TITAN product line with the stunning color space and black levels of LED illumination. The TITAN LED's 2,000 lumen specification separates it from all other purely LED driven displays, yet understates the perceived image brightness and clarity delivered. In addition to the higher brightness, the TITAN LED enlists DPI's Lifetime Illumination[®] platform, providing a virtually maintenance-free imaging solution that never requires a lamp replacement.

A combination of consistently stable, long-term light output and a supremely low-maintenance illumination system defines DP's TITAN LED displays. In this projector, the RGB- based LED illumination system eliminates the need for a color wheel to produce primary colors. Instead, red, green and blue LED's produce primary color illumination, rendering incomparable color gamut and color saturation with no color wheel artifacts. Additionally, the TITAN 1080p LED 3D features DP's FastFrame technology, which assures fast-moving content appears remarkably sharp and free of motion smear - an important consideration when viewing fast-moving content.

The Superiority of 3-chip DLP vs. 1-chip DLP The benefits of LED illumination versus lamp illumination are widely known, including unrivaled color performance, lower overall cost of ownership, less heat and noise produced and no lamp replacement concerns. Equally as compelling are the advantages to 3-chip DLP/ LED over single-chip DLP/LED displays. The color gamut produced by a 3-chip LED display is up to two times as broad as a single- chip DLP/LED projector. In fact, with DMDs dedicated to each primary color, as opposed to sequential display of R, G and B primary colors (as in single-chip), the TITAN 1080p LED simultaneously produces higher bit depth, higher color saturation and much higher brightness than single-chip DLP/LED projectors. This results in color performance that is truly beyond compare.

What about the LED Brightness Specification? Though often measured as less bright than many lamp-based projectors, LED projection systems are perceived by the viewer as being much brighter than their measured luminance specifications, thanks in part to the Helmholtz-Kohlrausch effect (H-K effect). The International Electrotechnical Commission defines the Helmholtz- Kohlrausch effect as, "A change in brightness of perceived color produced by increasing the purity of a color stimulus while keeping its luminance constant within the range of photopic vision." In layman's terms, the H-K effect describes a situation whereby if two color stimuli sources with the same luminance are compared, the perceived brightness induced by the color stimuli of higher purity will be higher than that of lower purity. Why is this important? LED illuminated projectors produce extraordinarily high color purity and saturation, thus appearing much brighter, sometimes up to 30% brighter, than a lamp-based display with similar measured lumen specifications.

Note: Lenses, Lamps and Accessories are not included. Please contact us for options.

Features

- Digital Projection has developed a variant of its Titan projector that incorporates the latest LED illumination technology to provide amazing quality images.
- These LEDs remain stable and consistent over many years of use, providing a colour gamut that goes way beyond the requirements of HDTV or cinema.
- The stability of the colour and luminance is of particular value in multi-projector installations. The very high frame rate, low latency capabilities are perfectly suited to simulation.
- Coupled with Digital Projection's advanced video processing technology, the new light sources provide the ideal reference quality display for home theatre, post production, visualisation and simulation installations.
- *Takes into account Helmholtz- Kohlrausch effect. LED illuminated projectors produce extraordinarily high colour purity and saturation, thus appearing brighter than a lamp-based display with similar measured lumen specifications.