

Digital Projection INSIGHT LED INSIGHT Projector/4K/3000 ANSI Lumens/Contrast 2500x1/4096x2160

With 3,000 lumens and a color gamut capable of displaying the REC 2020 color space, the INSIGHT 4K Dual-LED presents incomparable imagery to discerning entertainment enthusiasts worldwide. Furthermore, both the Dual-LED and previously launched 2,000 lumen INSIGHT 4K LED enlist the stability of solid-state *Lifetime Illumination*, ensuring the displays are as reliable as they are captivating. The INSIGHT 4K Dual-LED begins shipping in September 2015.

By combining true 4K (4096 x 2160) resolution with the peerless color performance of combined LED illuminators, the INSIGHT 4K Dual-LED projector produces a previously unreachable combination of expanded color gamut and brightness. Color depth and subtlety is a critical factor in an audience's perception of image quality. The INSIGHT 4K Dual-LED produces a color gamut that is genuinely awe-inspiring, with a range that far exceeds the REC 709 color standard. This advanced performance ensures that enthusiasts will be able to experience their favorite content with a previously impossible color depth and detail. Combine this remarkable color capability with full 4K resolution, and today's elite home entertainment enthusiasts now have a truly distinct solution for visual stimulation.

Further benefits to employing LED illumination include much lower cooling requirements, resulting in impressively low measureable noise levels and heat output. Both of which are important factors when the projector and audience will share the same space. And as LED illuminators perform equally well in any position, the INSIGHT 4K Dual-LED can be installed in any direction or configuration, delivering remarkable installation flexibility.

DPI's new INSIGHT 4K Dual-LED merges the detail and clarity of full 4K resolution with the stunning color space and black levels of LED illumination. The advanced brightness and extraordinary color space produced by DP's 3-Chip LED illuminated displays separate them from all other LED driven displays, yet understates the perceived image brightness and clarity delivered. In addition to the higher brightness, the INSIGHT 4K Dual-LED enlists DPI's *Lifetime Illumination™ platform, providing a virtually maintenance-free imaging solution that never requires a lamp replacement. LED illuminated projectors produce imagery with extraordinarily high color purity and saturation. Thus, as prescribed by the H-K* effect, LED displays generally appear much brighter, in some cases up to 30% brighter, than a lamp-based display with similar measured lumen specifications. DPI's INSIGHT 4K LED combines 3-chip imaging technology with this unparalleled color purity to create the world's premier projector for elite home entertainment. All while delivering this experience for many years of consistent, engaging and virtually maintenance-free imagery wherever they're installed.*

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

Features

Video & Graphics Processing

- Up to 60fps 4096 x 2160 pixels sequential input via single cable (DisplayPort 1.2).
- 3D capable (see 3D Functionality below).
- Scaling of 2K formats to fill the 4K display.
- Dark Time insertion capability.
- HDMI 1.4b up to 3840 x 2160 at 30 fps.

Color adjustments

- Up to 12 bits per color processing (depending on source and input type).
- Degamma table maps 12 bit input to 16 bit palette (R, G & B) for display.
- Individual R, G & B lift and gain.
- Black and White level adjustment via Brightness & Contrast control.
- Degamma selection from a list of parametric curves.

ColorMax™

- Accurate matching of projectors in tiled or blended applications.
- User selection and storage of user defined color targets.

3D Functionality

- Full 4K, sequential input, 3D display capability.
- Frame multiplication capability (2x, 3x) with interleaving of Left/Right repeated frames.
- Synchronisation of active glasses or polarising switcher.
- Adjustable Dark Time and Synch Offset for optimisation of ghosting and smooth greyscale for switching glasses and polarizers.
- Dual and Triple Flash Processing can be used to multiply the displayed frame rate for 3D sources (example 144Hz display).
- Synchronisation of active glasses or polarising switcher.

Projector Control

- Keypad.
- Infra-red and wired remote control.
- Network control via RJ45 and protocol.
- Serial control via RS232 and protocol.
- Group Controller application.