

Christie Unveils TruLife Electronics Platform

Written by Bob Snyder
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Christie unveils its latest electronics platform – **Christie TruLife** – with a proprietary, 1.2 Gigapixel per second, floating point architecture. Christie TruLife electronics forms the basis for the latest generation of projectors, capable of delivering ultra-high resolution, high frame rate video with high image fidelity (e.g., 4K resolution image processing at 60 fps and beyond). The current standard digital interfaces such as DVI have a bandwidth of 165 MHz.

With a high-performance electronics engine that leverages the latest in field-programmable gate array (FPGA) integrated circuits (ICs), the platform is capable of supporting a **video-processing pipeline of up to 1.2 Gigapixels per second (GPix/s)**

A common measurement of video-processing power -- the speed or rate with which video data is processed, is typically measured in Gigapixels per second (GPix/s). Christie says its platform scales to reach 1.2 GPix/s, which is **nearly 10x faster than standard high-def projection and 4x faster than typical 3D projection, as well as double what other 4K projectors are capable of**

Launching throughout this year, Christie projectors featuring TruLife will enable 4K2K, Ultra-HD/Quad-HD resolutions today at 60 fps, and will have the capability to support higher resolutions and higher frame rates.

Christie projectors based TruLife will use this very high capacity image-processing power to deliver immersive, hyper-realistic video experiences. Industries to immediately benefit from this original video-processing electronics architecture include **theme-park attractions, visualization “power walls” and flight simulation environments**

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. Christie TruLife electronics can provide customers with more realistic experiences while alleviating the image-blurring and motion-sickness that may accompany these environments.

Christie's new electronics platform will also facilitate the creation of new user experiences, automated setup, increased connectivity and "smart" control features enabling the next generation of collaborative, augmented reality and projection mapping applications.

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