NEWS RELEASE

Thinklogical Introduces Uncompressed 4K Private Cloud Solution for VFX and Post-Production at NAB Show 2017

Zero-Latency System Simplifies Infrastructure, Improves Productivity, Enhances Content Security and Lowers Total Cost of Ownership; April 24-27, Booth SL6027

MILFORD, CONN. – April 21, 2017 -- Thinklogical, a leading provider of secure, high-performance KVM signal extension and switching systems for the media and entertainment industry, announced today that it will be introducing a new, uncompressed 4K private cloud solution for visual effects and post-production applications at NAB Show 2017, April 24-27, in booth SL6027 at the Las Vegas Convention Center.

A growing trend in visual effects (VFX) and film and broadcast post-production is "PC-over-IP" – extending and distributing video and computer I/O control over public networks using internet protocol (IP) technology. This has been the most common method to migrate media and entertainment workflows to the cloud, in hopes of saving time, money and equipment costs. PC-over-IP is typically achieved by streaming lower-resolution, compressed screen images and KVM (keyboard, video, mouse) functions to the desktop. For certain applications, delivering a compressed proxy screen image via PC-over-IP has been a practical, but less than optimal, compromise.

At the same time, the media and entertainment industry is moving quickly to higher video resolutions, wider color gamut's, higher frame rates, VR, and 360-degree visual formats. Image granularity and data payloads are expanding exponentially. When creating master-quality images in this new environment, viewing a proxy via a compressed IP cloud service can offer a sub-par post-production experience. If a creative professional is making the "digital negative" or working with 4K and HDR content, true pixel-for-pixel images and smooth I/O performance are key for accuracy, inspiration and productivity.

Thinklogical is introducing at NAB Show 2017 an alternative approach to PC-over-IP to solve the cloud workflow challenge. Thinklogical's new 100-percent uncompressed, non-IP private cloud solution provides smooth, zero-latency video, KVM and UI control, and supports 4K DCI 4:4:4 video sequences, at up to 60 frames-per-second. Thinklogical's patented transmission technology can transport ten of these uncompressed 4K signals – with zero-latency UI and I/O - over a single fiber. This performance is available at distance of up to 50 miles over fiber-optic cabling. A VFX or post facility in London, New York or Los Angeles, for example, can achieve on premise quality system performance from any data center in their metro region.

"Thinklogical is disrupting the media and entertainment marketplace by delivering the quality of zero-latency, uncompressed 4K@60Hz 4:4:4 video, and instantaneous computer peripheral responsiveness, without the limitations found when using signal compression or IP connectivity," said Joe Pajer, president and CEO of Thinklogical. "With Thinklogical, content creation professionals no longer need to compromise on productivity, performance and image resolution quality when working in a distributed cloud environment."

With Thinklogical's new private cloud solution, VFX and post houses can increase productive space and save on energy and maintenance costs by moving servers and IT infrastructure to a remote, managed colocation facility. The new cloud solution also supports MPAA content security best practices by separating and securing vulnerable video sources and stored content from easy access by end-users, protecting content from theft, hacking or intentional and accidental data breaches.

This powerful and highly-secure cloud solution is possible through Thinklogical's innovative TLX and TRANSplex technology. TLX is the first KVM system able to extend and switch uncompressed 4K DCI video at 4:4:4 chroma-subsampling, in 30-bits-per-pixel color-depth, at 60Hz frame rate. TRANSplex is an optical multiplexer and de-multiplexer that uses CDWM or DWDM technology. TRANSplex transmits multiple data streams over fiber links via separate optical wavelengths. This enables greater data transmission payloads over existing fiber infrastructures, making master-quality, private cloud reliable, efficient and cost-effective.

Thinklogical is the first to offer the media and entertainment industry a secure, uncompressed, high performance private cloud option supporting full-resolution 4K and HDR video editing and image sequence workflows with pixel-for-pixel accuracy and zero latency.

Other Thinklogical booth demonstrations planned for NAB Show include:

- New HDMI 2.0 Extenders: Extend HDMI 2.0 video over fiber with no compression, latency, dropped frames, or artifacts

- Intuitive Mouse Control with Mouse-Over Cross-Display Switching: Seamless, instant, screen selection by just moving the mouse from screen to screen allows for intuitive access to multiple independent computer sources without manual switching or workflow interruptions.

- Text Overlay: Provides a customized display capability to more easily identify source, with custom overlay size, color and positioning.

- System Management Portfolio and System Management Interface (SMP/SMI) with Enhanced Configurable On-Screen Display (OSD): Interactive drag-and-drop and flexible user-definable Hot Keys system management. Features include remote system monitoring and updating, and mouse and keyboard sharing.

More information about Thinklogical solutions for media and entertainment can be found at https://www.thinklogical.com/broadcast

About Thinklogical
Thinklogical, LLC is a leading manufacturer and provider of secure KVM, video, audio, and computer peripheral signal extension and switching solutions. Government, entertainment, scientific and industrial customers worldwide rely on Thinklogical's products and services for security, high performance, continuous operation and ease of integration. An ISO 9001:2008

certified company, Thinklogical is headquartered in Milford, Conn. USA and is privately held by Riverside Partners LLC (http://www.riversidepartners.com).

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