

Press Release

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IHSE introduces first 576 port non-blocking KVM matrix switch

Oberteuringen, August 17, 2015 – IHSE today announces the release of the first 576 port non-blocking KVM matrix switch in one frame. The Draco tera enterprise K480-576 switch provides a high performance, modular and flexible KVM switching system for 24/7 distribution of high resolution Keyboard, Video, Mouse (KVM) signals.



Huge port number, compact size: The 576 port Draco tera enterprise KVM matrix switch

Broadcast studios, as well as enterprise-sized command and control rooms, are experiencing a growing demand for larger non-blocking, hybrid (Cat X and fiber) KVM infrastructures with no performance limitations. The K480-576 is the first 576 port, non-blocking, KVM matrix in a single frame. It offers Mix & Match functionality to allow switching freely between UTP (Cat 5e/6) extenders and fiber optic extenders.

IHSE succeeded in doubling the maximum number of available I/O ports of the 288 port Draco tera enterprise switch, resulting in the largest, high performance KVM matrix switch on the market. With a relatively compact frame size of 25 RU each of its 576 ports can serve as an input or output. It is a true, non-blocking matrix which overcomes the potential blocking

effects of grid lines in a matrix of several smaller KVM switches and the adverse performance effects experienced when connecting multiple KVM-over-IP switches by a backbone link of limited bandwidth.

The Draco tera enterprise series provides high performance modular matrix systems for bidirectional signal distribution of high definition video, audio and data over Cat X, multi-mode and single-mode fiber. High definition video signals including DVI, HDMI, DisplayPort, VGA, HD-SDI and 3G-SDI are supported as well as analog and digital audio formats and USB 2.0/3.0 data signals. Using XV fiber cards, the Draco tera enterprise KVM matrix switch offers tremendous scalability with cost-effective features supporting Ultra High Definition up to 4K at 4096 x 2160 resolutions.

IHSE offers the most comprehensive range of redundant KVM systems. The K480-576 continues the exceptional, fully-redundant, system architecture of the Draco tera range, including fully-redundant power and hot swappable modules for full service and field upgrades without interruption of signal flow. The entire redundancy concept features redundant interconnections from the CPU (source end) to the matrix switch to the redundant CON Unit (workstation end). In the case of an interconnection failure the redundant link ensures continuous and uninterrupted communication between the CON Unit and CPU Unit: transmission faults are automatically detected and indicated. Data flow is instantly switched to the secondary transmission link.

With the advanced control interface for Draco tera enterprise matrices, operators have the option to manage switching through an OSD (on-screen display), the JAVA-based Draco tera tool or an RS232 serial interface. The frame can also be controlled via any third party external control system with the available API protocol design package.

The K480-576 will be available for live demonstration at IBC in Amsterdam, 11-15 September 2015, alongside IHSE's full range of high-performance KVM switching and extension technology. Stand 7.B30.

About IHSE

IHSE is a leading developer and manufacturer of advanced Keyboard, Video, Mouse (KVM) devices with 30 years of experience. KVM technology enables the remote switching, bidirectional extension and conversion of primary computer signals including DVI, HDMI, 4K DisplayPort, digital audio and USB. IHSE develops and manufactures an extensive range of KVM switches and extenders with visually lossless signal transmission from headquarters near Lake Constance, Germany.

IHSE products have been certified for outstanding manufacturing quality, operability, resilience and high transfer speeds. Many renowned companies and institutions across vertical sectors including Broadcast, Post Production, Control Rooms, Banking, Industrial, Healthcare, Maritime, Education, Venues, Air Traffic Control and Government rely on KVM solutions made by IHSE, Germany. For further information please refer to ihse.com.

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