

## Press Release

IBC 2015 stand 7.B30

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### IHSE launches revolutionary 4K/60 KVM extender

Oberteuringen, August 10, 2015 – IHSE's Draco ultra DP is the first 4K DisplayPort KVM extender with a 60-Hz refresh rate in full color depth. The device constitutes a new generation of digital KVM signal extension using the innovative Lightweight Image (LICI) codec, developed in cooperation with Fraunhofer IIS. This revolutionary coding technology ensures brilliant image quality at the highest video resolutions with outstanding color accuracy (deep color ready).



The **Draco ultra DP** is the first ever KVM extender that uses the *Lightweight Image Coding technology* (LICI) and has been developed in partnership with the Fraunhofer Institute for Integrated Circuits. The LICI codec lays the foundation for a future series of KVM extenders that will enable the transmission of high resolution video streams within the available infrastructure and bandwidth capacity at very low latency, without sacrificing either image quality or dynamic range.

The Draco ultra DP extender allows the operation of CPUs from a remotely located workstation including DisplayPort monitor, keyboard and pointing device over a pair of fiber cables. Transfer of fully-digital video is supported in 4K resolutions up to 4096 x 2160 and 3840 x 2160 at a real 60-Hz refresh rate and full color depth (24 bit, 4:4:4). The KVM extender also supports audio transmission via the DisplayPort interface. This eliminates the need for additional audio modules, enabling playback of the audio signal on monitors with integrated loudspeakers. Integration of optional Draco vario upgrade modules for digital audio

input and output as well as data signals, such as USB 2.0 and RS232 is also possible. The upcoming Draco ultra extender series allows the individual combination with other video interfaces, such as HDMI, DVI and Dual Link at the workstation and source end.

IHSE offers the Draco ultra DP extender in single and redundant path variants. Redundant data links increase system resilience, prevent system failures and can also be used for duplicating signals. The Draco ultra DP can be installed in Draco vario chassis and provides compatibility with all Draco tera KVM matrix switches.

The Draco ultra DP will be available for live demonstration at IBC in Amsterdam, 11-15 September 2015, alongside IHSE's range of high-performance KVM switching and extension technology. On the first exhibition day, a joint presentation on the new coding technology will be given by Wolfgang Heppner, Fraunhofer IIS and Dr. Enno Littmann, IHSE GmbH. Technology in Action Theatre, stand 3.A19, September 9th, 15.00-15.30.

## 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](http://ihse.com).

## Photos

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