

IHSE supports 4K/UHD transmission with new extenders

Keyboard, video and mouse (KVM) solutions provider IHSE has expanded its Draco ultra high-end extender series with Cat X transmission of video signals up to 4K60. This, said IHSE, provides the same image quality as fibre-optic extenders, while users can also combine Cat X and fibre optics in matrix switching applications.

IHSE's Draco ultra KVM extenders deliver "unprecedented quality" with imperceptible latency in the transmission of high-definition video, with KVM signals. The series was developed in cooperation with the Fraunhofer Institute for Integrated Circuits (IIS), and for ultra-high-resolution video signals, IHSE offers Extreme

Velocity (XV) extenders.

The XV series is now offered with Cat X devices to supplement the original fibre versions. The new XV models support DisplayPort 1.2 and HDMI 2.0, enabling transmission of 4K60 video with a colour depth of 10 bit per RGB colour channel and optimal 4:4:4 colour sampling over a single Cat X connection.

According to IHSE, the expansion of the series enables users to integrate ultra-high-resolution video signals into Cat X infrastructures. Existing copper cabling no longer needs to be replaced by optical fibres in order to support the maximum resolutions and frame rates.

Mark Hempel, product manager, IHSE, said: "The choice of transmission media no longer plays a deciding role in distribution of ultra-high-resolution video signals. Cost-intensive new cabling with fibre optics is no longer necessary to transmit 4K60 signals at the highest quality."

IHSE has also announced the launch of new dual-screen capabilities with the Draco ultra DP 1.2 dual-head option kit, which supports up to two 4K60 displays in one extender set.

Packaged in a compact two-slot Draco vario enclosure are two DisplayPort KVM extenders that create an extender solution for business and professional users



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focused on high-resolution imaging for broadcast applications, command and control, air traffic control, visual medicine and geospatial mapping.

Hempel continued: "Organisations are increasingly taking advantage of 4K/Ultra HD (UHD) screens and can achieve more by putting them together. With this dual-head 4K/UHD DP extender, we are bringing the next level of dual-screen capability to increase productivity with large 4K/UHD dual-display workstations for ultra-high-resolution imaging, mapping, or multi-application set-ups. Or-

ganisations will benefit in terms of both Capex and return on investment (ROI)."

The Draco ultra DP dual-head extender kit allows users to operate CPUs from a remotely located workstation over two duplex fibre cables or two Cat X cables. The extender transfers digital video in 4K/UHD resolutions at 60Hz refresh rate and full-colour depth (10 bit, 4:4:4).

Users can either create a stretched desktop of 8192 x 2160 across two displays, or run them in clone mode to show the same content on both displays.

MOG presents new mxfsPEEDRAIL models

MOG Technologies has introduced new and enhanced models to its mxfsPEEDRAIL central ingest product line.

mxfsPEEDRAIL is a central ingest system that reduces video ingest time and saves on operational costs. With more than 2,500 installations and deployed in more than 200 worldwide customers, the system has been evolving and adapting to technology demands. It completely optimises media workflows by delivering practical and simple tools to capture, transcode, schedule and prioritise all ingest tasks, according to MOG.

The new models include mediaREC, a multi-format SDI recording system, now featuring full support of video-over-IP standards (SMPTE ST 2110 and ST 2022-6); mediaCARD, simplified solution for users who want to stitch all camera shots with unattended batch ingest; and mediaMOVE, an

ingest gateway for broadcast environments, new media and social media streaming. mediaMOVE supports all input devices, file wrappers, video and audio codecs to any output wrapper, proxy, Web format, storage server or asset management.

Luís Miguel Sampaio, CEO, MOG Technologies, said: "The mxfsPEEDRAIL central ingest system is designed, since its beginning, with economy and reliability in mind.

"The system now features more flexibility as it is built with HTML5 technology, which breaks any physical boundary, and it is also wrapped in multiple packages to fit the customer needs better. With a single licence, the user can now unlock all proxies and codecs."

The new mxfsPEEDRAIL central ingest system manages file or live video streams in an integrated media



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production ecosystem, and responds to the immediacy of capture and viewers engagement, filling every gap throughout the workflow.

Nagra's Conax Contego secures Cignal TV's milestone

Cignal TV, a pay-TV provider in the Philippines, has reached the milestone of two million subscribers who are receiving multiple-format TV and hybrid services on a range of set-top boxes (STBs). These STBs are protected by the Conax content protection, which Cignal TV first deployed in September 2015.

Jane Basas, CEO of Cignal TV, explained: "A pay-TV service can only be successful if its content assets are secure. When we first launched our new platform, we chose Conax technologies because we were confident they would deliver — and they did not disappoint.

"Now, just two years later, we have reached the two-million subscriber mark, and could not be more excited for what is to come. We wish to thank the Conax and now NAGRA teams for their ongoing support and commitment to our growth and success."

Cignal TV deployed the Conax cardless solution based on the Conax Contego unified security backend. Conax Contego is developed for support and integration of all major distribution technologies



Cignal TV, which recently reached the milestone of two million subscribers, has had its content protected by Conax Contego since September 2015.

and formats including 4K/Ultra HD (UHD), smart cards, cardless, next-generation IPTV security, advanced multi-digital rights management (DRM)/over-the-top (OTT) services and new hybrid network combinations. Both Conax solutions are now part of the NAGRA content protection portfolio of advanced and off-the-shelf security solutions.

Stéphane Le Dréau, SVP Sales APAC at NAGRA, added: "We congratulate Cignal TV in reaching a significant milestone and one that demonstrates the growing popularity of its service and content with viewers in the Philippines.

"We are also proud to be the content security provider for those services, and ensure the continued

integrity and growth of the Cignal TV service for years to come."

In collaboration with Samsung, NAGRA has also launched TVkey cloud, an enhanced content protection solution for smart TVs equipped with TVkey hardware-based root of trust.

TVkey Cloud builds upon the existing TVkey specification deployed in the market today. While the TVkey system using external USB dongles is the reference for "one way" broadcast pay-TV solutions, the increased availability of Internet-connected Smart TVs opens up "exciting new possibilities" to combine the security capabilities of the TVkey embedded hardware in the TV with sophisticated security management systems in the cloud, said NAGRA.

