

IHSE:

Unrestricted Content Access using KVM

Driven by much fanfare, The Han Show in Wuhan, China, is indeed an embodiment of oriental notions of beauty, manifesting a thrilling celebration of the traditional Han culture. The show—a technological marvel—runs on a system that enables operators to easily access the equipment located in a Central Equipment Room (CER) from their personal workstations, providing them with full and transparent control with no visual, audible, or data flow restrictions. Thanks to the Draco tera KVM matrix switch, the show's many banks of high-speed video servers, video recorders, digital signage servers, and various other supporting devices are enabled with enhanced interconnection, artifact-free connectivity, and instant switching. The brainpower behind this amazing feat that allows the Han Show Theatre to be on the cutting edge is IHSE—a Germany-based manufacturer of KVM devices including switches and extenders that facilitate easy configuration of systems and desired operational objectives.

The technology delivers the functionality, efficiency, quality and flexibility that the Han Show requires in order to present shows of the highest quality. Other organisations across the APAC region benefit from IHSE's advanced technology, including Mediacorp and STAR PAC in Singapore, NEP broadcasting in Australia, Hunan TV in China and Japan's Chukyo TV. Major companies around the world form an impressive roll-call of users: NATO, Frankfurt, Amsterdam, Vienna, Heathrow and Saudi Arabia's King Abdulaziz airports, police forces in numerous countries and many of the world's



major broadcast and production organisations, including BBC, BT Sport, Game Creek, NBC, France TV and Deluxe studios – to name just a few. The systems are also deployed in maritime applications to manage vessels in Hong Kong's busy Victoria harbour and at sea on seismic research vessels and cruise ships.

Established more than three decades ago, IHSE is a real game-changer in enhancing and streamlining the content creation and delivery workflow; making designers, editors, network operators, and engineers far more efficient in their work. IHSE's products operate on a simple idea: provide every user with instant access to any desired computer, its content and applications, without having to move away from their desk or have the content and application loaded onto a local computer. What makes these products second to none is ease, convenience, and security of content and data, along with the capability to share expensive computer resources and real estate, such as editing suites and production rooms.

The system is able to switch a wide range of signals including legacy

analog as well as digital audio and videos, including HDMI, DisplayPort, and DVI. In addition, dedicated broadcast signals such as HD-SDI also can be switched in parallel or converted to other formats and distributed. IHSE switches provide instant connectivity to source devices and can be controlled by simple user hotkey keyboard commands or a web-based user control system. An API programming interface exerts external control over the third-party devices, enabling control from common on-site control systems, for instance, Lawo, BFE, AMX, Crestron. Extensive administrator control functions help administrators in the management of connections and individual installations.

Designed and manufactured in Germany to ensure the highest reliability and resilience, IHSE's products also feature hot swapping of components, extensive redundancy options, and multiple connection capability. Attributes demanded in mission-critical installations such as broadcast, air traffic management, and emergency service command centers. In line with the latest video resolutions and formats, the switches and extenders are capable of supporting the standard bandwidth of 4K 60Hz videos and higher resolutions including 8K and above as they come into the market.

The company has recently launched a Remote IP CPU that will enable KVM systems to connect to remote sources and display devices over an IP network. As well as new low latency extenders, which have extremely low, fixed, transmission latency; making them ideal for the new world of virtual reality and interactive installation. **ACO**