

INTERACT IN IMMERSIVE TECHNOLOGY

Virtual Reality, Augmented Reality,
Mixed Reality

ihse.

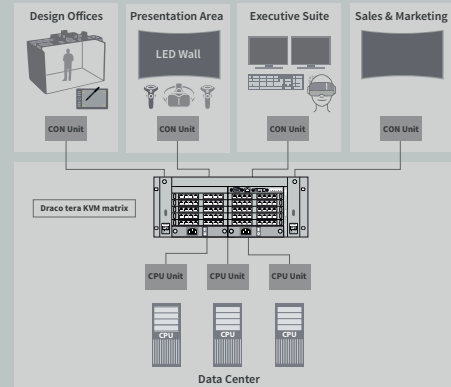
KVM SOLUTIONS FOR IMMERSIVE TECHNOLOGIES

Remote location of immersive systems

Virtual, augmented and mixed reality systems are becoming invaluable in retail, medical, product design, education, entertainment, situational training and many other commercial and enterprise applications.

These installations benefit from KVM extender technology that can distribute signals over long distances, connecting source computers to remote virtual headsets, large video screens and immersive CAVEs.

IHSE KVM extenders and switches are designed to operate with minimal delay to transmit the high resolution, fast refresh images that are fundamental to VR, AR and MR systems.



Highlights

- Designed for 24/7 continuous operation with minimal downtime
- Near-zero transmission latency
- Artefact-free video and audio extension up to 140m/10Km (copper/fiber)
- High resolution, high refresh rates
- USB 2.0 and USB 3.0 data transmission
- Instant connection and switching
- Extensive redundancy and security options
- Modular, expandable, future-proof



*The Draco tera matrix system.
Available in a range of sizes from 8 to 576 ports.*



Fast

Data transmission speed is critical in dynamic immersive installations to convey user positional information to the powerful systems computers that run them. New graphic images created by those computers then need to be transmitted back to viewers with minimal delay.



Reliable safe, secure

Proven in many industries throughout the world, IHSE KVM extenders and switches deliver reliability and performance that meet the strictest operational requirements of every application. Inbuilt security and extensive redundancy deliver total security and continuous operation.



Versatile and flexible

IHSE KVM extenders separate source devices from users, allowing system deployment in the most difficult situations. Featuring extensive connectivity and control, users can select, view and manage available resources, from any location.

Large-scale product design

Virtual reality technology helps designers visualise, test and develop large products, whilst eliminating expensive and limiting models: whether it's a new saloon car, city-center skyscraper or mobile phone handset.

Designers can enter a virtual representation of their work and really begin to understand it. They can see how it will look, both inside and outside; make instant changes and check that everything fits together perfectly.



Draco tera KVM switches for total connectivity

The Draco tera range extends from 8 to 576 non-blocking assignable ports. With mixed operation over copper and fiber cables, the switches handle all types of digital video up to 4K UHD resolution as well as SDI and USB 3.0. The Draco tera KVM switch delivers visually lossless transmission, instant connectivity and extensive configuration and redundancy options.

Draco tera connects and switches users to remote CPUs and servers instantly. With no transmission delay or image degradation. It is the ideal solution for today's immersive technologies.

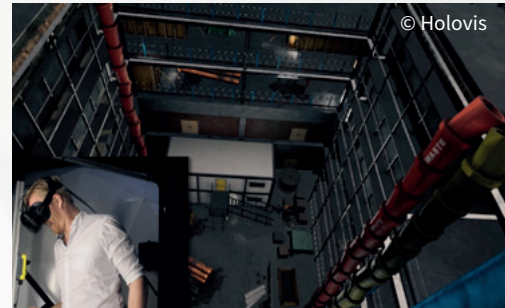


INSTALLATIONS

Situational training

Virtual, augmented and mixed reality multisensory systems enable support crews and maintenance engineers to train in situations that are too dangerous or not viable to replicate in real-life.

KVM extenders and switches handle the high speed signals that are needed to create realistic virtual environments; providing the scope, flexibility and realism to deliver effective training.



Entertainment

Many modern museums, visitor centers and theme parks now include virtual and augmented reality exhibits to inform and amaze visitors.

KVM extenders and switches allow designers to deploy, operate and manage installations to suit their operational needs and preferences. Enabling them to deliver exciting content throughout their facility from centrally-maintained computers.

Retail

Expensive real estate and retail space has created a demand for effective, economic, display solutions. VR and AR displays in shopping centers and retail establishments inform customers and boost sales.

With KVM extenders, everything can be operated at a distance. Giving retailers more space, convenience and data security, along with eye-catching promotional campaigns.



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