

## INTERACT IN COMMAND & CONTROL

Secure and reliable access in mission-critical environments



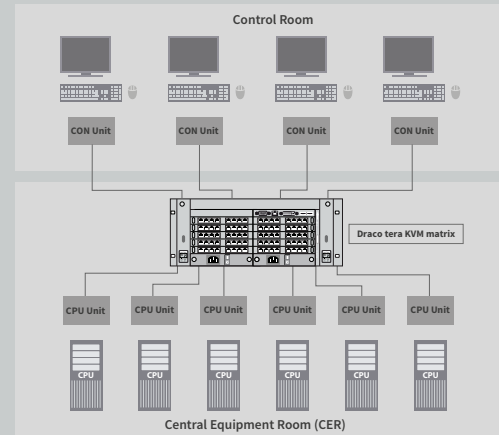
ihse.

### Access any command and control device, instantly

KVM matrix switches are essential in situations in which total security, reliability and data quality are critical. They enable operators to see the whole picture, all of the time, without fail and without compromise.

Draco tera KVM matrix switches instantly switch between sources and operate with total reliability in 24/7, mission-critical systems.

Draco tera's modular and flexible design matches individual project requirements, with built-in redundancy to meet desired safety levels in every installation.



## Highlights

- Artefact and latency-free video up to 4K UHD 60Hz
- Fully-secure KVM transmission with instant response
- Instant connection of any screen to any source
- Mixed Cat X and fiber interconnection
- Total flexibility in equipment location
- Redundancy and back-up to meet security requirements
- Administrator-managed access control
- In-band and out-of-band control



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



## High security command and control centers

Draco tera KVM matrix switches are used throughout the world to provide uncorrupted access to critical control systems. Operators can instantly switch between sources to meet the demands of changing conditions, without loss of signal, allowing them to stay on top of any situation. At all times.



## Accurate and secure

Draco tera KVM switches and extenders are proven in many mission-critical installations in which image quality, data security and system reliability are paramount. Through direct connection, the Draco tera KVM system resists malicious intrusion, maintains connectivity and minimises transmission delay, whilst maintaining ease-of-use and flexibility in configuration.



## Reliability by redundancy

Redundancy in KVM extenders enables computer-to-workstation extender connections to continue over a secondary link, should the primary link fail. Transmission faults are automatically detected and indicated. Data flow is instantly switched to the secondary transmission link enabling a failure-safe system for mission-critical operation.

### NATO Combined Air Operations Center

Four large Draco KVM matrix switches keep NATO's Combined Air Operations Center running, guarding against terrorist and national security threats, 24 hours per day, 7 days per week.

“ *Near instantaneous response, no dropped commands and unrestricted matrix connectivity enable the duty controller to specify the exact configuration required. In today's environment, even a slight delay in response is unacceptable.*

**Manuel Kirchesch, Project Manager**



## 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 control rooms.





# INSTALLATIONS

## Airside Coordination and Data Center, Frankfurt Airport

A Draco tera-equipped control center manages the analysis, processing and coordination of essential flight information for ground and airport surface traffic control.

“ *The perfect technology and collaboration with IHSE enabled us to develop an excellent KVM concept to meet our specific needs and requirements with swift and efficient implementation.*

**Jörg Schulewski, Control Center Expert**



## LGV high speed rail link control room, France

Two Draco tera KVM switches in redundant system configuration enable train operators to manage and ensure passenger safety and operational reliability over 182 km of line between Paris and Le Mans.

“ *The installation offers a solution that is extremely simple for operators to use, whilst delivering the highest possible level of redundancy and backup, ensuring a safe and reliable train line.*

**Adrien Trouve, Eiffage Energie**

## Hong Kong Harbour Vessel Tracking Center

Draco ultra extenders transmit 4K UHD signals at 60 Hz frame rate to ensure the safe and secure movement of 200,000 ships every year that pass through the congested harbour waters.

“ *Users switch between sources instantly and view information at 4k60 resolution, giving them a highly flexible integrated solution that combines several functions into one system.*

**Wim van de Gein, Project Manager**



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