

ihse.

- High Performance KVM Matrix Switch and Video Router
- Available in 3 different sizes: 48, 32 or 16 Ports
- Super Compact size: only one 19" RU required
- Route all Signals over Cat X
- Fastest available ‚Instant Video Switching‘ without delay or monitor blanking
- ‚FlexPort Technology‘ allows any port to be used as an Input or Output
- Digital Video, Analog Audio, Digital Audio, serial commands & USB 2.0
- Options: e.g. API, SNMP, Cascading



Draco
tera
compact



48,32 or 16 ports

COMPACT EDITION
KVM MATRIX SWITCH
DVI ROUTER

Gefördert durch:



Bundesministerium
für Wirtschaft
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des Deutschen Bundestages

48/32/16 PORT KVM MATRIX SWITCH

- SUPER COMPACT SIZE
- FASTEST INSTANT SWITCHING
- ALL PORTS AS OUTPUT OR INPUT (FLEXPORT TECHNOLOGY)

First introduced in 2010, the Draco tera switch family has quickly become the only intelligent choice for enterprise-level high definition HD-KVM matrix switching. This switch is available in various sizes which makes it one of the most scalable systems on the market: 48, 80, 160 and 288 ports. Unique features and outstanding video quality make it a powerful choice for numerous command, control, industry, post production and broadcast applications.

With the **Draco tera 48/32/16 Compact** switch, we can now meet the requirements of customers with similarly high performance requirements but for smaller installations.

Its compact size of one single 19" rack unit makes it truly flexible.

The Draco tera system is based on well-established Gigabit Ethernet technology enabling a cost-effective switching and extension solution. In combination with Draco extenders you can build up a system with up to 48 flexible ports supporting DVI video together with USB-HID, USB 2.0 and audio options. All common DVI Single-Link resolutions are supported including High-Definition 1080p.

All interface signals are routed over Cat X cabling between the Draco tera chassis and Draco extender units, bridging distances up to 140m (on either side of the switch or per link – repeater function).

A further significant feature of the Draco tera system is **Instant Switching** between different CPUs. The Draco tera technology allows switch commands in milliseconds which practically eliminates the annoying delay and image re-sync problems found in IP-based switching solutions.

Equipped with a unique **FlexPort Technology**, the Draco tera offers total flexibility of input and output ports. In other words, any port can either be used as Input or as Output providing maximum cost efficiency as every single port can be used. Any conceivable combinations of I/O port configurations are achievable within the maximum number of available ports. This also sets the Draco tera apart from other switch technologies.

Best of all, the **Auto Routing** functionality means that there is no need to configure I/O port configurations. When attaching a Draco Extender to the switch it will uniquely identify itself (ID), and the Draco tera will automatically allocate the required ports. This means that when the CPU or Console is hot-plugged, the switch automatically recognizes the correct connection based on the original ID. This also removes the need of having to maintain known cable sequences at particular switch ports – something which becomes increasingly impractical in large systems. You can simply reconnect Draco Extenders to any port and the switch will (by using the ID) automatically reassign each Draco Extender to the relevant port.

A further advantage of the Draco tera system is the **In-Band Control**. This means that the control signals are being routed via the existing KVM connections in the switch.

The **IHSE Device Technology** allows switching between Multi-Head workplaces and Multi-Head CPUs. This can be done in one single switching action alleviating the need to switch each CON unit separately. CON devices with up to 8 assigned extender CON units (KVM or USB 2.0) can be switched to CPU devices with up to 8 assigned extender CPU units (KVM or USB 2.0). Any variation between 1 and 8 units on each side is possible, therefore allowing simple Multi-Head switching.

The system is currently available with a maximum number of 48 ports in a single frame. The matrix size can also be increased by stacking or cascading multiple Draco tera frames. This is a useful feature in multi-monitor applications when more than 48 Consoles/CPU's are needed.

Optional bundles such as the ability to monitor the switch and the extenders via SNMP round off the highly developed and cost effective switch package.

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| Interconnection | Cat X |
| Resolution | DVI-D (Single-Link): 1920x1200 / 1080p / 2K |
| Interface Options | DVI-D, DVI-I (VGA), USB-HID for Keyboard/Mouse, USB 2.0, Analog Audio, Digital Audio, Serial Commands |
| Maximum Link Distances | Cat X: 140 m per Link (repeater function) |
| Control | OSD (On Screen Display) at each Console |
| Power Supply | 90...240VAC internal PSU: 100 W Redundant Power Supply |
| Size | 16 Ports: 444 x 429 x 44 mm - 19"/1U Housing 32 Ports: 444 x 429 x 44 mm - 19"/1U Housing 48 Ports: 444 x 429 x 44 mm - 19"/1U Housing |
| Optional Extra | Bundle 1: JAVA-Tool & Extended Switching & Presets |
| Optional Extra | Bundle 2: Bundle 1 & API |
| Optional Extra | Bundle 3: SNMP & SYSLOG |
| Optional Extra | Bundle 4: Cascading / Stacking |

Highlights

- Compact Size: 19"/1 U Housing
- Available in steps of 16 ports: 16, 32 or 48 ports
- Interconnection Cat X
- Fastest available Instant Video Switching: CPU switching within a single video frame
- FlexPort Technology: every port can be either an Input or Output ensuring the most flexible use of available ports (e.g. up to 47 independent consoles from 1 CPU & up to 47 connected CPUs from 1 console)
- Auto Routing: Unique ID codes identify the ports of each CPU or Console, i.e. when these are hot-plugged, the switch automatically recognizes the correct connection
- Maximum interface distance from each switch port (Draco Extender to switch): 140 m per Link
- DVI-D Single Link (1920x1200@60Hz or 2K)
- USB-HID (Keyboard/Mouse + other HID devices)
- DVI-I Input (VGA), Transparent USB 2.0, Serial, Analog Audio, Digital Audio
- Power Supply 90...240VAC with internal PSU
- Redundant Power Supply
- In-band Control
- Integrated Redundant Fan
- Remotely Upgradeable
- User Management and Access-Rights Management
- Optional Extras:
 - Bundle 1: JAVA-Tool & Extended Switching & Presets
 - Bundle 2: Bundle 1 & API
 - Bundle 3: SNMP & SYSLOG
 - Bundle 4: Cascading / Stacking