



- DVI-D Input/Output
- Supports USB HID Devices
- Cat X or Fibre Cable Interfaces
- Option: Dual/Quad-Head Video
- Option: VGA Input (DVI-I)
- Option: Transparent USB 2.0
- Option: Analogue/Digital Audio and Serial Port
- Max Distance: 140m over Cat X and 10km over Fibre
- 19" Rack Mount Options (RMK)

Draco

Extender Series



DRACO EXTENDER
X-SPEED TECHNOLOGY
FOR DVI & USB DEVICES
USING CAT X + FIBRE CABLES

Draco

Extender Series X-Speed-Technology for DVI & USB Devices Using Cat X + Fibre Cables

| | |
|------------------------|--|
| Video Input Interface | DVI-D (Single Link) option: DVI-I (VGA) |
| Video Output Interface | DVI-D (Single Link) – not HDCP compatible |
| Resolution (max.) | 2048x1152@60Hz, resolutions up to 1280x1024 min. 75 Hz |
| Keyboard/mouse | USB HID devices |
| Power Supply | External universal switch mode PSU (90-240V Input) |
| Dimensions | 103 x 143 x 29 mm (Single-Head) 103 x 143 x 42 mm (Dual-Head) |
| Upgradeable | Onboard Flash (19" rack mount kit and brackets available) |

Draco – Making extension easier

Whenever you locate CPUs far from the user you need an extender that works like a booster – maintaining signal fidelity and video clarity.

Only the Draco Digital Extender can realise distances of up to 140m over regular Cat X cables, and up to 10km with Single-mode Fibre, without sacrificing quality.

Why does it make sense to remotely locate a CPU?

- Protection of CPUs against dust, water and vibration.
- Avoid theft, and protect against unauthorized installation of software.
- Simplified maintenance, configuration and administration of multiple user computers by co-locating them.
- Change a user's work location by simply moving a patch cable
- Centralised air conditioning of CPUs increasing life cycles, simplifying infrastructure and reducing energy consumption.
- Cut-out noise in the work place

Draco Extender Applications

- Industrial (keep CPUs off the factory floor)
- Remote desktops in educational institutions, financial trading floors and call centres.
- Airports (air traffic control, passenger information systems)
- Broadcast and Audio-Visual industry

Perhaps you have a safety critical application where the user is not allowed to access to the CPU directly?

Draco - Extender technology for the future

Our new Draco Extender provides the highest quality DVI video transmission through the use of state-of-the-art compression technology. This enables long extension distances and reliable data transmission with no discernable loss in video quality: *much* further than other short-range extenders without video compression.

DVI, USB and more....

The Draco Extender supports, as standard, DVI-D video and USB HID devices (like keyboard, mice and graphics tablets). In addition options are also available for other interfaces including: VGA input, digital or analogue audio, and full transparent USB 2.0.

Draco's X-Speed video compression algorithm reduces data volume in real time by more than 80% ensuring optimal use of the Cat X/fibre transmission system. Even at the highest resolutions (up to 1920x1200/1080p/2K), full-screen movies are displayed judder free in 24-bit colour. When compared to other products, the maximum possible transmission distance is not dependent on resolution. Even at maximum resolutions distances of 140m are easily achieved over Cat X without special cabling.

The compact body allows dense installations: up to 3 devices fit in 19"/1U rack space. All cabling is connected to the rear of the device allowing neat placement in racks and on desktops.

To further enhance reliability in the most critical environments, these devices have the option to connect a second (redundant) power supply unit. In addition, status LEDs facilitate simple link diagnostics.

Through the use of a dedicated Service Port the Draco Extender may be easily upgraded in the field via a USB connection.

Highlights

- *Virtually loss-free image quality at all resolutions – without visible compression losses (frame drops) due to the use of our X-Speed technology*
- *All DVI-D monitor resolutions up to 1920 x 1200 @ 60Hz (also 1080p or 2K: 2048 x 1152 @ 60Hz) are supported up to maximum cable lengths.*
- *Supports easy DDC transfer from remote monitor(s)..*
- *The standard version allows operation of a remote workstation with a DVI-D monitor and two USB HID devices (such as a keyboard and mouse). Certain other HID devices may also be compatible*
- **Option: Dual-Head / Quad-Head** – where every workstation supports 2 or 4 monitors
- **Option: bi-directional analogue audio and RS232 support**
- **Option: uni/bi-directional digital audio with Cinch/TOS-Link/miniXLR connectors for professional audio applications.**
- **Option: Two additional HID Ports with Single-Head devices. Dual-Head devices always have support for four HID devices.**
- **Option: Analogue VGA (DVI-I) input for connection to older CPUs where the graphics card cannot be upgraded.**
- **Option: Transparent USB 2.0 support for all available USB devices including printers, scanners, hard drives, memory sticks, audio devices, etc. An additional Cat X or fibre cable is required.**
- *Maximum resolution (1920x1200 or 1080p or 2K) over all distances:*
 - 140m with a regular Cat X cable
 - 200m with multi-mode 62.5µ fibre
 - 400m with multi-mode 50µ fibre
 - 10km with single-mode 9µ fibre
- *Compatibility with all major operating systems*
- *Compatibility with all major KVM Switches and further devices*
- *Rack mount options (19"): Mount up to 3 devices with a 19"1U rack mount kit.*