



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

Draco

Extender Series



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

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

Video Input Interface	DVI-D (single-link) option: DVI-I (VGA)
Video Output Interface	DVI-D (single-link) – not HDCP compatible
Resolution (max.)	1920x1200@60Hz, 1080p and 2K: 2048x1152@60Hz
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 kits 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 realize distances of up to 140m over regular Cat X cables, and up to 10km with single-mode fiber, 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 of DVI video transmission by using a 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 (standard) Draco Extender supports DVI-D video and USB HID devices (e.g. keyboards, mice and graphic tablets). In addition, options for other interfaces including: VGA input, digital or analog audio, and full transparent USB 2.0 are available.

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

The compact housing allows close installations: up to 3 devices fit in a 19"/1U rack space. All connectors are on the rear side of the device allowing proper installation in racks and on desktops.

To enhance reliability for most critical environments, these devices have the option to connect a second (redundant) power supply unit. Additional status LEDs simplify the link diagnosis.

Using a dedicated Service Port the Draco Extender may be upgraded on-site and very easy via a USB connection.

Highlights

- Virtually loss-free image quality at all resolutions – without visible loss of compression (frame drops) due to 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 analog 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:** Analog 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 fiber 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 fiber
 - 400m with multi-mode 50µ fiber
 - 1000m with multi-mode 50µ OM3 fiber
 - 10km with single-mode 9µ fiber
- 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.