



- 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: 140 m over Cat X and 10 km over Fiber
- 19" Rack Mount Options (RMK)

# Draco

## Extender Vario Series



DRACO EXTENDER  
X-SPEED TECHNOLOGY  
USING CAT X + FIBER CABLES

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## Extender Series X-Speed Technology 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, 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 kit and brackets available)

### Draco – Making extension easier

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

Only the Draco Digital Extender can realize distances of up to 140 m via regular Cat X cables, and up to 10 km with single-mode fiber, without loss of 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 CPU access.
- Simplified maintenance, configuration and administration of multiple user computers by co-locating them.
- Change a user's working station by simply moving a patch cable
- Centralized air conditioning of CPUs increasing life cycles, simplifying infrastructure and reducing energy consumption.
- Reduce noise pollution at work stations

### Draco Extender Applications

- Industrial (keep CPUs off the factory floor)
- Remote desktops in educational institutions, financial trading floors and call centers.
- 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 state-of-the-art compression technology. This enables to bridge long distances and to grant a reliable data transmission with no discernable loss of the video quality: *even* 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 are also available for other interfaces including: VGA input, digital or analog audio or full transparent USB 2.0.

By the use of the Vario chassis the customer is allowed to assemble his extenders exactly according to his technical requirements. In this connection you can choose when compiling the extenders between basic modules, upgrade modules and USB 2.0 modules.

All of the modules are combined in 2-fold, 4-fold, 6-fold chassis or in a 19" module rack for up to 21 modules.

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

To enhance reliability in 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 easily on-site via a USB connection.

### Highlights

- *Virtually lossless image quality at all resolutions – without visible compression loss (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 of easy DDC transmission 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:** *un or /bidirectional digital audio with cinch/TOS-link / mini-XLR connectors for professional audio applications*
- **Option:** *Two additional HID Ports for single-head devices. Dual-head devices always support 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*