



HDMI port

Optional: Local HDMI-Access

Optional: KVM Switch in CON Unit

Compatible with all Draco devices

Use the Draco HDMI Extender to extend video signals without entailing any loss of quality up to 10 km. Pictures are displayed without delay, brilliantly clear and in highest resolutions, including full HD and 2K. Even 3D formats can be transmitted fast and without difficulty. Experience excellent sound data with finest details by digital audio transmission via

HDMI. Take advantage of highest flexibility: For interconnections both, Cat X and fiber, can be used. In case you don't need USB transmission we optionally offer a less expensive, half-sided HDMI extra module. This module can be used for mere video extension as well as for realization of multi head applications. Furthermore we offer an optional CPU

unit with local access to connect an HDMI monitor as well as a CON unit with switchable HDMI input for local sources, e.g. computers.

## Graphics

L481-BHHC



R481-BHHC



Standard

L481-BHHCL



Optional: Local Access

R481-BHHCW



Optional: Local Switch

## Technical Data

Input Interface	HDMI
Output Interface	HDMI
Resolution (max.)	1920 x 1200 @ 60 Hz, Full HD (1080 p) or 2 K HD (up to 2048 x 1152)
Distance (max.)	140 m Cat X cable, 10,000 m single-mode (9 μ)
Keyboard / Mouse	USB HID (support of keyboard/ mouse with additional module USB 2.0 transparent)
Power Supply	Internationales power supply unit ( 90-240V Input)
Mounting accessories	19" Rackmount-Kit and brackets available
Upgradable	Onboard Flash

## Advantages of Draco extenders

In many areas (like industry, office buildings, video, graphics and sound editing, in airports or in maritime applications) computers have to be removed from working environments to enable greater workflow efficiency. Extenders allow separating computers from the in- and output devices like keyboard, mouse and monitors. To avoid losses in quality you will need an extender that works like a booster – maintaining fidelity and clarity of the signals and the video. This task can be realized by the use of regular Cat X network cables. For mission critical it is also possible to apply optical fiber cables.

### Why does it make sense to remotely locate a CPU?

- Protection against dust, moisture and vibrations
- Prevention of theft and unauthorized CPU access
- Simplified maintenance, configuration and administration of multiple user computers at a central point
- Centralized installation of software updates (particularly simple in combination with a KVM switch)
- Air conditioning of CPUs increases life cycles and ensures constant performance
- Pleasant working environment by enhancing space and reducing noise and heat pollution caused by powerful computers
- Reduction of energy consumption

### For which industries is the use of extenders of particular interest?

- Industrial (keep CPUs off the factory floor)
- Remote desktops in educational institutions
- Congress centers, financial trading floors and office facilities
- Airports (Air Traffic Control, passenger information screens)
- Broadcast and audio-visual industry
- Any safety-critical application, to limit or prevent user's CPU access

## Next Step: Draco HDMI Extender

- Compatible with all chassis of the K474 Draco vario extenders series
- Lockable HDMI port
- Compatible with all modules of the K474 Draco vario extenders series
- Via HDMI interface, high resolution video signals can be transmitted, for example 1920 x 1200 @ 60 Hz, Full HD (1080 p) or 2 K (up to 2048 x 1152)
- The audio format PCM can be transmitted with a sample rate up to 96kHz via HDMI interface
- Additional audio formats will be available by several firmware updates
- The interface is compatible with 3D technology. The 3D formats Side-by-Side and Top-and-Bottom can be transmitted

## More Highlights

- Virtually lossless image quality at any resolution – without visible compression loss (or frame drops) due to the use of our optional X Speed technology
- Simple keyboard commands (hotkeys) for transmission of remotely connected monitors' DCC information; including permanent storage at the CPU unit
- 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)
- Compatible with all major operating systems
- Compatible with all IHSE Draco KVM switches as well as Draco vario and Draco compact extenders
- Fit in one 19"/1U

### Options

CPU Unit with local output for connecting an HDMI monitor (Local Access)

CON Unit with switchable HDMI and USB-HID inputs (switch) for a local source (computer, CPU)

Half-sided HDMI module (daughterboard) for multi-head applications

Optional bi-directional analog audio and RS232 support or digital audio with cinch/TOS-link / mini-XLR connectors for professional audio applications

Transparent USB 2.0 support for all available USB devices including printers, scanners, hard drives, memory sticks, audio devices, etc.