



- Resolutions up to 2560 x 2048 and 4K
- Data transfer via Cat X or fiber on even 1 Gbps
- Only 1 interconnect cable required
- Compatible to all Draco tera KVM matrices

**THE DRACO VARIO DUAL LINK** enables the transmission of 4K video signals to one single monitor up to 4096 x 2160 and 3840 x 2160 at 30 Hz frame rate in addition to the usual 2560 x 2048 at 60 Hz and lower. Extension of signals requires a single Cat X or fiber cable link.

Special monitor resolutions used in particular industries like Air Traffic Control applications (e.g. 2048 x 2048) are also supported. Dual Link consoles can also access regular Single-Head/Single Link CPU Units using the Center Mode Option. The Draco vario Dual Link can

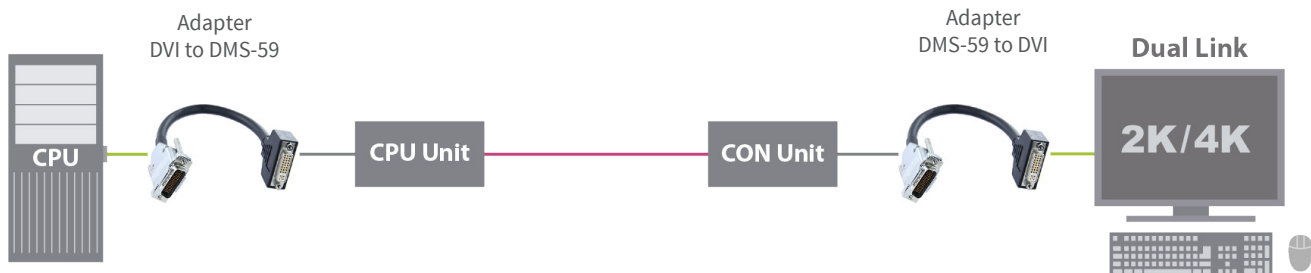
be installed in all types of Draco vario chassis and is compatible with all upgrade modules of the Draco extender family. The device can also be used in conjunction with matrix switches and is compatible with the existing Draco tera KVM matrix hardware.

## DRACO VARIO DUAL LINK EXTENDER

- Via DMS-59 Dual Link interface, high resolution video signals up to 4096 x 2160 (4K) can be transmitted
- The DMS-59 port can also be used for Dual-Head applications (2x Single-Link) by applying an optional adapter pair
- Compatible with regular Single-Head/Single Link extenders
- Compatible with all chassis of the Draco vario extenders series
- Can be used with existing Draco tera KVM matrix hardware

## FUNCTIONAL DIAGRAM: DUAL LINK

The DMS-59 adapters to connect the CPU or monitor to the devices are included in the list of parts delivered.



## Technical Data

Input Interface	DVI-D Dual Link to DMS-59 adapter (included)
Output Interface	DMS-59 to DVI-D Dual Link adapter (included)
Resolution (max.)	2560 x 2048 @ 60 Hz (24 bit) - Dual Link 3840 x 2160 @ 30 Hz (24 bit) - Ultra HD 4096 x 2160 @ 30 Hz (24 bit) - 4K
Data Rate (max.)	330 MPixel/s
Maximum transmission range for video and USB-HID signals (end-to-end connection)	Cat X: 140 m Single-Mode 9µm: 10.000 m (32.808 ft) Single-Mode 9µm XV: 5.000 m (16.404 ft) Multi-Mode 50µm (OM3): 1.000 m (3.280 ft) Multi-Mode 50µm: 400 m (1.312 ft)
Optional Interfaces	USB 2.0 (High-Speed or Full-Speed), analog audio with RS232 or RS422, digital audio, PS/2
Keyboard / Mouse	USB-HID
Power Supply	International power supply unit (90-240V Input)
Mounting accessories	19" rack mount kit and brackets available
Firmware	Upgradeable via Mini-USB and matrix

### NOTICE:

#### Transmission ranges for transparent USB when using add-on modules

When using L474/R474 add-on modules with transparent USB, the binding specifications stated in the data sheets of the add-on modules apply.

## ADVANTAGES OF DRACO EXTENDERS

In many areas and industries computers have to be removed from working environments to enable greater workflow efficiency. Extenders allow separating computers from the input 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 applications it is also possible to apply optical fiber cables.

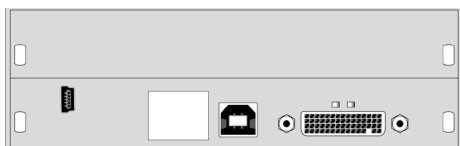
### WHY DOES IT MAKE SENSE TO REMOTELY LOCATE A CPU?

- 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

### WHICH ARE THE MAIN INDUSTRIES BENEFITING FROM THE USE OF DRACO VARIO EXTENDERS?

- Broadcast and Postproduction (high image resolutions and transfer speed)
- Control Rooms (Any safety-critical application to limit or prevent user's CPU access)
- Education and Training (Remote desktops in educational institutions)
- Government and Defence (high security; red/black separation)
- Banking (keep CPUs off the factory/trading floor)
- Air Traffic Control (resilience and reliability; minimum space requirements)
- Industrial and Commercial (suitable devices for the challenging environments)
- Maritime and Off Shore (minimum space requirements; ruggedized devices)
- Medical and Health Care (e.g. instant transfer of medical images to the doctor's desktop)
- Venues and Entertainment (bidirectional signal transmission provide an instantaneous feedback channel)

## GRAPHICS



- L482-1DHC
- L482-1DHS
- L482-1DHX



- R482-1DHC
- R482-1DHS
- R482-1DHX