



Resolutions up to 2560 x 2048 and 4K@30Hz

DMS-59 adapter included

Dual-Head for two DVI Single Link monitors

Option for redundant path interconnects

Data transmission via Cat X or fiber

## PRODUCT INFORMATION

The Draco vario ultra Dual-Head KVM extender enables the connection of two DVI monitors over a single Cat X or fiber cable, saving the expense of a second extender and reducing cabling cost and installation effort. When used in conjunction with KVM matrix systems, the Draco vario ultra Dual-Head KVM extender saves valuable matrix ports.

Its sister product, the Draco vario ultra Dual Link KVM extender, enables the transmission of DVI signals to one single monitor up to 4K resolution. Extension of signals requires a single data cable. The extenders are compatible with regular Single-Head/Single extenders: Consoles can access Single-Head/Single Link CPU Units instantaneously. In this situation,

signals from Single-Head/Single Link sources are embedded within the Dual Link signal format and can be switched with no discernible switching delay. Single-Head/Single Link images are displayed at their own native resolution within a blanked area on-screen.

## PRODUCT FEATURES

- > Excellent image quality at all resolutions
- > Only one KVM matrix port per unit required
- > Wide range of additional options:
  - Two USB ports for HID devices
  - USB 2.0 embedded/full speed
  - Serial interface (RS232 or RS422)
  - Analog audio
  - Digital audio
- > Redundant data link
- > 19" rack mount kit available
- > Redundant power (load-sharing) optional
- > Compatible\* with all:
  - major operating systems
  - chassis of the Draco vario series
  - IHSE Draco KVM matrix switches
  - other main modules of Draco vario ultra extenders (49x series)
  - Draco vario upgrade modules for audio and data signals such as USB 2.0, balanced audio or RS232

## Next generation KVM extenders with integrated Fraunhofer IIS's lightweight coding technology

Lici® (Lightweight Image Coding technology)

- Mezzanine compression up to mathematically lossless
- Low latency
- No frame drops
- RGB/YCbCr or raw data compression
- 2K/4K/8K possible or higher frame rates

Gefördert durch:



aufgrund eines Beschlusses  
des Deutschen Bundestages



\* Video transmission of the Draco vario ultra series 490, 492 and 493 series is not compatible with the main modules of the Draco vario series 474, 481, 482, 483 and Draco compact 477 series.

TECHNICAL DATA			
Input	DMS-59 (DVI-D Dual-Head/Single Link adapter) DMS-59 (DVI-D Dual Link adapter)		
Output	DMS-59 (DVI-D Dual-Head/Single Link adapter) DMS-59 (DVI-D Dual Link adapter)		
Data rates (max.)	2 x 165 MPixel/s (Dual-Head) 330 MPixel/s (Dual Link)		
Maximum Resolution	For Draco vario ultra Dual-Head up to 2 x 1920 x 1200 @60 Hz For Draco vario ultra Dual Link up to 2560 x 2048 @ 60Hz or 4K @ 30 Hz		
Maximum Cable Distance	Cat X	140 m	Single-mode XV (9 μ) 5 km
	Multi-mode	1 km	Single-mode (9 μ) 10 km
Optional Interfaces	USB 2.0, analog audio with RS232, RS422, digital audio, PS/2, etc.		
Keyboard/Mouse	2 x USB-HID		

## DRACO VARIO ULTRA DUAL LINK FUNCTIONAL DIAGRAM



Optional cable:  
DMS-59 > DVI-D Dual Link

DMS-59 port for 1 x DVI-D Dual Link

Resolutions up to 4096 x 2160 (4K)

### ORDER NUMBERS

	L492-BDHC
	L492-BDHS L492-BDHX
	L492-BDHCN
	L492-BDHSR L492-BDHXR

## DRACO VARIO ULTRA DUAL-HEAD FUNCTIONAL DIAGRAM



Optional cable:  
DMS-59 > DVI-D 2x

DMS-59 port for 2 x DVI-D Single Link

Resolutions up to 2 x 1920 x 1200

### ORDER NUMBERS

	L492-B2HC
	L492-B2HS L492-B2HX
	L492-B2HCN
	L492-B2HSR L492-B2HXR