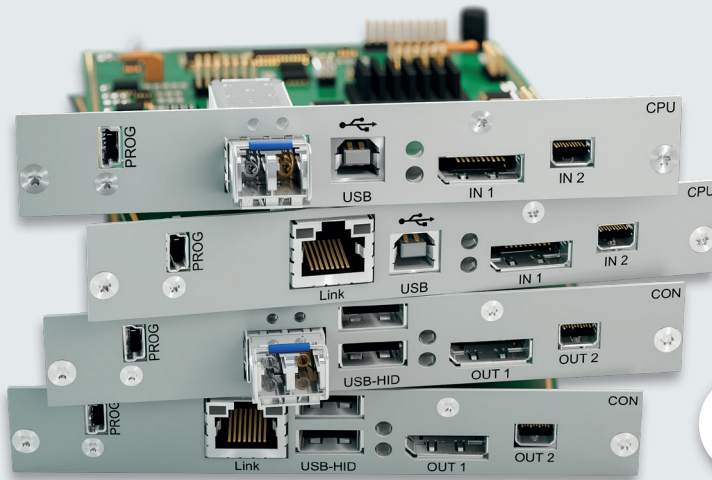




Energy and space saving for high packing density

Variable chassis selection due to modular design

Optionally expandable with audio and data interfaces

Transmission of two video signals via one cable

Optionally expandable with audio/USB interfaces

**4K
UHD**

PRODUCT INFORMATION

The Draco vario ultra DisplayPort 1.1 Dual-Head KVM extender allows the visually lossless extension of high-resolution video and audio signals via the DisplayPort interface. Fully digital video signals can be transmitted in Single-Head operation in 4K resolutions

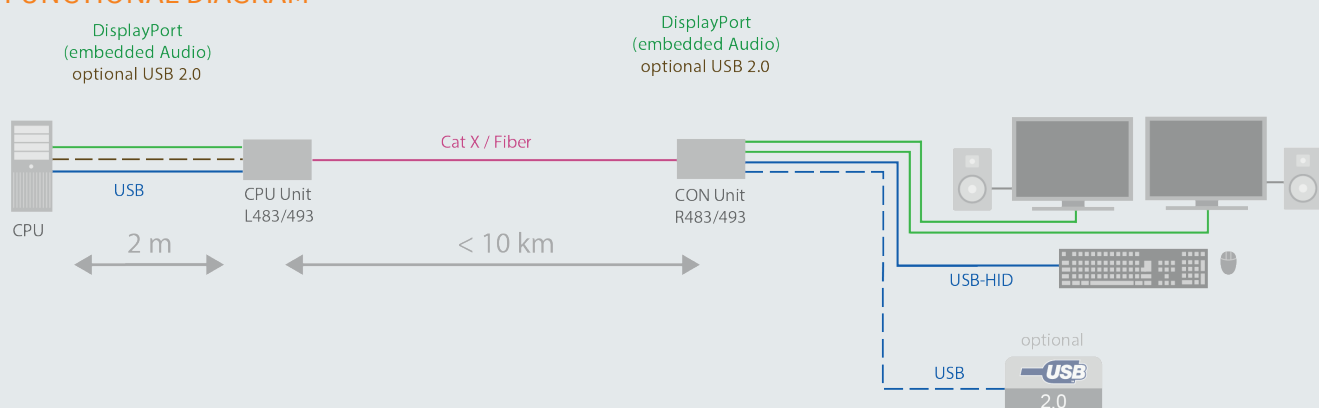
up to 4096 x 2160 (4K DCI) and 3840 x 2160 (UHD). In Dual-Head mode, resolutions of up to 1920 x 1200 pixels per channel are supported. The embedded 2-channel L-PCM stereo audio signal is directly reproduced by the connected displays with

integrated speakers. In combination with optional analog or digital audio modules, the stereo signal can be extracted and output separately. The Draco vario ultra DisplayPort 1.1 Dual-Head KVM extender is also compatible* with Draco tera KVM matrix systems.

PRODUCT FEATURES

- Operating a remote workstation with two DisplayPort monitors and USB HID devices (keyboard/mouse)
- Transmission of fully digital video signals up to 4K DCI (4096 x 2160) and UHD (3840 x 2160) up to 30 Hz
- The DisplayPort interface can transmit the PCM audio format at a sample rate of up to 96 kHz
- Intelligent monitor EDID management
- Optional: Redundant connections for 24/7 availability
- Compatibility with all common operating systems (Linux, Unix, Windows, Mac OS) and Draco vario chassis
- Compatible* with IHSE Draco tera KVM matrix systems, all additional modules of the Draco vario extender series for audio and data signals such as USB or RS232
- No frame drops, loss-free image compression, optimal colour reproduction 24 bit (True Color) 4:4:4
- Synchronous transmission, full 60 fps, LOLA

FUNCTIONAL DIAGRAM



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

TECHNICAL DATA						
Input	Primary channel: 1x DisplayPort 1.1 Secondary channel: 1x MiniDisplayPort 1.1					
Output	Primary channel: 1x DisplayPort 1.1 Secondary channel: 1x MiniDisplayPort 1.1					
Audio (embedded)	Stereo Linear Pulse Code Modulation (LPCM), PCM 2 channel					
Maximum Resolution	Primary channel: 1920 x 1080 @ 144 Hz 1920 x 1200 @ 60 Hz ----- Single-Head Operation: 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 DCI Secondary channel: 2x 1920 x 1200 @ 60 Hz					
Keyboard / Mouse	USB-HID					
Optional Interfaces	USB 2.0 (High Speed oder Full Speed), analog audio with RS232 or RS422, digital audio, PS/2, USB embedded, balanced audio					
Maximum Cable Distance	Cat X	Single-Mode Fiber (9 µ)	Single-Mode Fiber XV (9 µ)	Multi-Mode Fiber (50 µ, OM3)	Multi-Mode Fiber (50 µ)	Multi-Mode Fiber (62,5 µ)
	140 m	10.000 m	5.000 m	1.000 m	400 m	200 m
Power Supply	5VDC (power supply via the used Draco vario chassis)					
Power Input	510 mA (power input via the used Draco vario chassis)					
Dimensions	20 x 129 x 143 mm					
Weight	100 g					
Chassis	Suitable Draco vario chassis under the following link: https://www.ihse.com/chassis-accessoires/					



ORDER NUMBERS

DRACO VARIO ULTRA SERIES 493	PART NO.
Draco vario ultra CPU module DP1.1, DH, 4K30 o. 2x1080p, USB HID, Cat X 1G	L493-B2HC
Draco vario ultra CPU module DP1.1, DH, 4K30 o. 2x1080p, USB HID, Fiber LC SM 1G	L493-B2HS
Draco vario ultra CPU module DP1.1, DH, 4K30 o. 2x1080p, USB HID, Fiber LC SM 3G	L493-B2HX
Draco vario ultra CPU module DP1.1, DH, 4K30 o. 2x1080p, USB HID, Cat X 1G, red.	L493-B2HCR
Draco vario ultra CPU module DP1.1, DH, 4K30 o. 2x1080p, USB HID, Fiber LC SM 1G, red.	L493-B2HSR
Draco vario ultra CPU module DP1.1, DH, 4K30 o. 2x1080p, USB HID, Fiber LC SM 3G, red.	L493-B2HXR
Draco vario ultra CON module DP1.1, DH, 4K30 o. 2x1080p, USB HID, Cat X 1G	R493-B2HC
Draco vario ultra CON module DP1.1, DH, 4K30 o. 2x1080p, USB HID, Fiber LC SM 1G	R493-B2HS
Draco vario ultra CON module DP1.1, DH, 4K30 o. 2x1080p, USB HID, Fiber LC SM 3G	R493-B2HX
Draco vario ultra CON module DP1.1, DH, 4K30 o. 2x1080p, USB HID, Cat X 1G, red.	R493-B2HCR
Draco vario ultra CON module DP1.1, DH, 4K30 o. 2x1080p, USB HID, Fiber LC SM 1G, red.	R493-B2HSR
Draco vario ultra CON module DP1.1, DH, 4K30 o. 2x1080p, USB HID, Fiber LC SM 3G, red.	R493-B2HXR



Draco System Designer
configure your own system

IHSE offers a configurator for all Draco products. Check out our product site at <https://dsd.ihse.com/designer> and select your preferred solution. Equip it with your required modules and simulate your fully loaded frame.