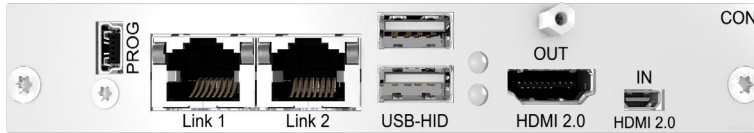


L495-BHHCXLR-R1



R495-BHHCXLR-R1

Supports HDCP 2.2

Resolution up to 4096 x 2160 at 60 Hz

10 bit (Deep Color) and 4:2:2 or 8 bit and 4:4:4, no frame drops

Mix & Match HDMI 2.0 with DP1.2 input/output, if no HDCP content transmitted

Combined video and audio transmission

PRODUCT INFORMATION

The Draco vario ultra HDMI 2.0 with HDCP extender enables the operation of CPUs from a remotely located workstation including HDMI monitor, keyboard and mouse over a duplex Cat X or fiber connection. Transfer of fully-digital video is supported in 4K resolutions up to 4096 x 2160 at a real 60 Hz refresh rate and

color depth (10 bit, 4:2:2 or 8 bit, 4:4:4). The KVM extender also supports audio transmission via the HDMI interface. Integration of optional Draco vario add-on modules for digital audio input and output as well as data signals, such as USB 2.0 and RS232 is also possible. For a direct video access in the server room,

the CPU Unit includes a local output to connect a control monitor. At the same time there is a local input on the CON Unit to connect a locally connected source (switchable).

The new Draco vario ultra HDMI 2.0 extender with HDCP will replace the existing 495 series.

PRODUCT FEATURES

- Operation of CPUs from a remote workstation with a HDMI 2.0 monitor and USB-HID devices
- Transmission of fully-digital video signals up to 4K DCI (4096 x 2160)
- New lossless video codec (visually), no frame drops, 10 bit (Deep Color) and 4:2:2 or 8 bit and 4:4:4
- PCM audio format can be transferred via the HDMI interface (up to 96 kHz)
- Local output on CPU Unit (Micro-HDMI)
- Local input on CON Unit (Micro-HDMI)
- Optional: Redundant data link for 24/7 availability
- Compatible* with all:
 - major operating systems
 - chassis of the Draco vario series
 - IHSE Draco tera KVM matrix switches with XV interfaces
 - 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
- Supports HDCP 2.2
- Low power device allows farless setups at the operator console

* Video transmission of the Draco vario ultra series 490, 492, 493 and 495 series is not compatible with the main modules of the Draco vario series 474, 481, 482, 483 and Draco compact 477 series.

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

Lici® (Lightweight Image Coding technology)

- 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



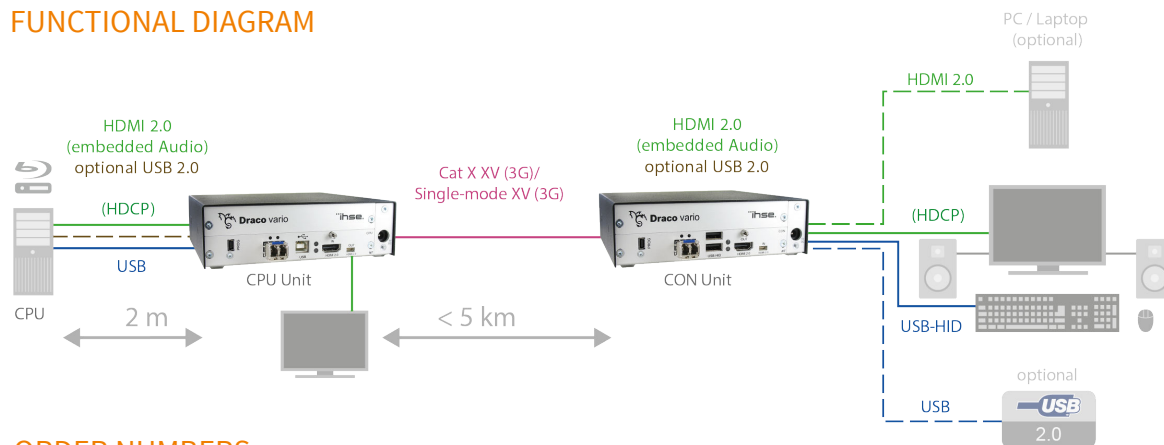
TECHNICAL DATA	
Input	HDMI 2.0 with HDCP
Output	HDMI 2.0 with HDCP
Audio (embedded)	Stereo Linear Pulse Code Modulation (LPCM), DTS, DTS-HD (5.1), Dolby Digital, Dolby Digital Plus (5.1)
Maximum resolution	1920 x 1080 @ 240 Hz 1920 x 1200 @ 60 Hz 2048 x 2048 @ 60 Hz 2560 x 2048 @ 60 Hz 3840 x 2160 @ 60 Hz (10 Bit, 4:2:2 or 8 Bit, 4:4:4) - UHD 4096 x 2160 @ 60 Hz (10 Bit, 4:2:2 or 8 Bit, 4:4:4) - 4K DCI
Keyboard / mouse	USB-HID
Optional interfaces	USB 2.0 (high speed or full speed), analog audio with RS232 or RS422, digital audio, PS/2, USB embedded, balanced audio
Maximum transmission range for video and USB-HID signals (end-to-end connection)	Cat X XV (3G): 100 m Single-Mode Fiber XV (9 µm): 5,000 m
Power supply	Power supply via the used Draco vario chassis*
Current draw	Max. 2,430 mA per extender module (power input via the used Draco vario chassis)**
Dimensions	20 x 129 x 143 mm
Weight	approx. 219 g
Chassis / mounting accessories	Suitable Draco vario chassis and mounting accessories under the following link: https://www.ihse.com/chassis-accessoires/

** For detailed information refer to the user manual.

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.

FUNCTIONAL DIAGRAM



ORDER NUMBERS

DRACO VARIO ULTRA SERIES 495	PART NO.
Draco vario ultra CPU module HDMI 2.0, 4K60, Cat X XV	L495-BHHCXL-R1
Draco vario ultra CPU module HDMI 2.0, 4K60, Cat X XV, redundant	L495-BHHCXLR-R1
Draco vario ultra CPU module HDMI 2.0, 4K60, Fiber XV	L495-BHHXL-R1
Draco vario ultra CPU module HDMI 2.0, 4K60, Fiber XV, redundant	L495-BHHXLR-R1
Draco vario ultra CON module HDMI 2.0, 4K60, USB HID, Cat X XV	R495-BHHCXL-R1
Draco vario ultra CON module HDMI 2.0, 4K60, USB HID, Cat X XV, redundant	R495-BHHCXLR-R1
Draco vario ultra CON module HDMI 2.0, 4K60, USB HID, Fiber XV	R495-BHHXL-R1
Draco vario ultra CON module HDMI 2.0, 4K60, USB HID, Fiber XV, redundant	R495-BHHXLR-R1



Draco System Designer
configure your own system

IHSE offers an online tool for free configuration of your KVM projects. It enables documentation and verification of individual extenders up to complete matrix applications. All KVM switches and extenders are available for selection, including add-on modules, chassis variants and special accessories: dsd.ihse.com