Draco vario ultra

Series 490

DisplayPort 1.2 KVM Extender

4K UHD

Resolutions up to 4096 x 2160 @ 60 Hz

30 bit (Deep Color), 4:4:4

Lossless transmission

No frame drops

Data transmission via single fiber

Combined video and audio transmission

Single sided connectivity

Redundant power supply

PRODUCT INFORMATION

The Draco vario ultra DP extender enables the operation of CPUs from a remotely located workstation including DisplayPort monitor, keyboard and pointing device over a single fiber connection. Transfer of fully-digital video is supported in 4K resolutions up to 4096 x 2160 and 3840 x 2160 at a real 60-Hz refresh rate and full color depth (30 bit, 4:4:4). The KVM extender also supports audio transmission via the DisplayPort interface. Integration of optional Draco vario upgrade modules for digital audio input and output as well as data signals, such as USB 2.0 and RS232 is also possible.

PRODUCT FEATURES

■ Operation of CPUs from a remote workstation with a DisplayPort monitor and USB HID devices

■ Transmission of fully-digital video signals up to 4K DCI (4096 x 2160) and UHD (3840 x 2160)

■ New lossless video codec (visually), no frame drops, full color depth, 30 bit (Deep Color) 4:4:4

■ PCM audio format can be transferred via the DisplayPort interface (up to 96 kHz)

■ Transmission of monitor EDID information by hotkey; including permanent storage in the CPU Unit

■ Embedded mode for lower video resolutions allows instant switching via Draco tera

■ Optional: Redundant data link for 24/7 availability

■ Compatible* with all:

- major operating systems

- chassis of the Draco vario series

- IHSE Draco 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

* 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.

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

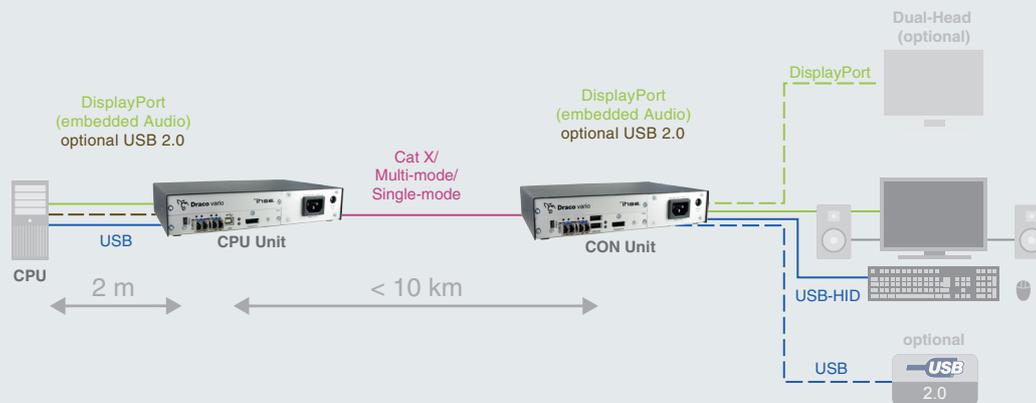■ 2K/4K/8K possible or higher frame rates

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ZIM Zentrales Innovationsprogramm Mittelstand

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DisplayPort 1.2 KVM Extender

TECHNICAL DATA	
Input	DisplayPort 1.2
Output	DisplayPort 1.2
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 (30 bit) - UHD 4096 x 2160 @ 60 Hz (30 bit) - 4K DCI
Maximum Cable Distance	Single-mode XV (9 µ) up to 5 km
Optional Interfaces	USB 2.0 (high speed or full speed), analog audio with RS232 or RS422, digital audio, PS/2, USB embedded, balanced audio
Keyboard/Mouse	USB-HID

FUNCTIONAL DIAGRAM

ORDER NUMBERS

L490-BPHX

L490-BPHXR

R490-BPHX

R490-BPHXR

ULTRA HD / 4K DCI

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