Draco vario ultra   Series 490

DisplayPort 1.2 KVM Extender - Multi Stream Support

4K UHD

Support for SST and MST

Less cabling necessary

Saves hardware costs

24 bit (True Color), 4:4:4

Lossless transmission

No frame drops

Redundant power supply

PRODUCT INFORMATION

The Draco vario ultra MST extender enables the operation of CPUs from a remotely located dual screen workstation including two DisplayPort monitors, keyboard and pointing device over a single fiber connection. A special firmware allows the connection of the second screen to the first one via daisy chain link. Transfer of fully-digital video is supported in 4K resolutions up to 4096 x 2160 and 3840 x 2160 at a real 30-Hz refresh rate and full True Color depth (24 bit, 4:4:4). 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

- New lossless video codec (visually), no frame drops, full color depth, 24 bit (True Color) 4:4:4

- 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

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

- 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

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

Gefördert durch:

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aufgrund eines Beschlusses des Deutschen Bundestages

ZIM
Zentrales Innovationsprogramm Mittelstand

* 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.
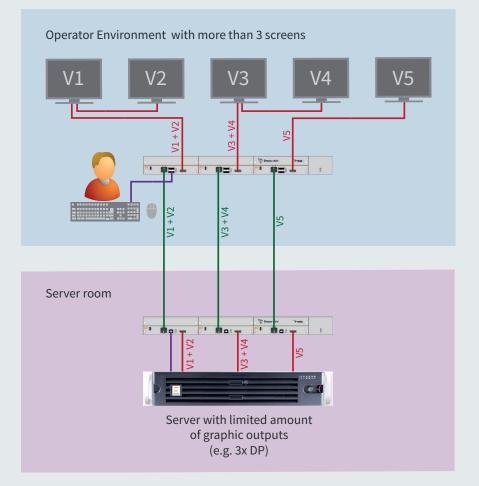
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TECHNICAL DATA

Input	DisplayPort 1.2
Output	DisplayPort 1.2
Maximum Resolution (*resolution might depend on future firmware update)	2x 1920 x 1080 @ 60 Hz 2x 1920 x 1080 @ 120 Hz* 2x 3840 x 2160 @ 30 Hz (24 bit) - UHD* 2x 4096 x 2160 @ 30 Hz (24 bit) - 4K DCI*
Maximum Cable Distance	Single-mode XV (9 µ) up to 5 km Multi-mode upon request
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
Part numbers	CPU Unit (local) Fiber XV L490-BPHXL L490-BPHXLR Cat X L490-BPHCXL L490-BPHCXLR CON Unit (remote) Fiber XV R490-BPHXL R490-BPHXLR Cat X R490-BPHCXL R490-BPHCXLR

FUNCTIONAL DIAGRAM

Operator Environment with more than 3 screens

Server room

Server with limited amount
of graphic outputs
(e.g. 3x DP)