

HDMI 2.0 KVM EXTENDERS



Resolution of up to 5K / 4K@60

Local CPU connection at CON side

Lossless transmission, no frame drops

Mix & Match HDMI 2.0 with DP1.2
Input/Output

Combined video and audio transmission

Local video output at CPU side

PRODUCT INFORMATION

The Draco vario XS HDMI 2.0 KVM extender is one of the first with integrated JPEG XS video codec. This sophisticated technology enables the transmission of fully-digital video signals with impressive resolutions of up to 5K/4K@60 via 1G/3G network bandwidth. The HDMI extender supports all established digital audio standards, so that the use of additional audio

modules is not necessary. The sound is played directly via monitors with integrated loudspeakers. If required, additional modules for digital audio can also be easily integrated. In addition, the Draco vario XS extender is fully compatible with all Draco tera KVM matrix switches which further increases its versatility and application possibilities.

For direct video access in the server room, the CPU unit has a local video output for connecting a control monitor. Similarly, the CON unit offers a video input for connecting a local source, e.g. laptop, with integrated switching function.

PRODUCT FEATURES

- Operation of CPUs from a remote workstation with a HDMI 2.0 monitor and USB HID devices (keyboard, mouse)
- Transmission of fully-digital video signals up to 5K/4K@60 via 1G or 3G bandwidth
- No frame drops, lossless video codec (visually)
- PCM audio format can be transferred via the HDMI interface (up to 96 kHz)
- Local output at CPU side (micro HDMI)
- Local input at CON side (micro HDMI) with integrated switching functionality
- Optional: Redundant data link for 24/7 availability
- Compatible with
 - Draco vario classic extenders, max. 1920 x 1200 @ 60Hz
 - all major operating systems
 - all Draco vario upgrade modules for audio and data signals such as USB 2.0, balanced audio or RS232

JPEG XS CODEC

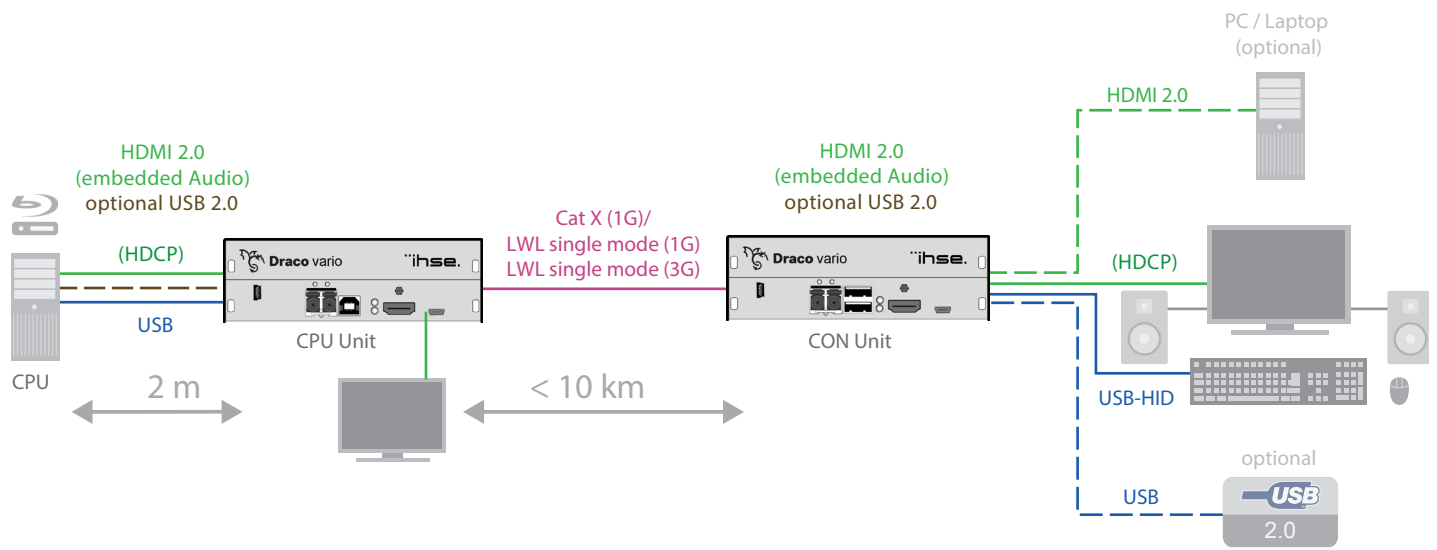
JPEG XS stands for extra speed and extra small.

- Compression visually lossless up to 16:1
- RGB/YCbCr or raw data compression
- Up to 16 bit per color
- Up to 480 frames / second
- No frame drops
- Low latency



TECHNICAL DATA

| | | |
|--|---|--|
| Input | HDMI 2.0 | |
| Output | HDMI 2.0 | |
| Resolution (max.) | 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 (24 bit, 4:4:4) - UHD 4096 x 2160 @ 60 Hz (24 bit, 4:4:4) - 4K DCI 5120 x 1080 @ 60 Hz 5120 x 1440 @ 60 Hz 5120 x 2160 @ 50 Hz | |
| Audio | Standards Bit depth Sample rate | Stereo Linear Pulse Code Modulation (LPCM) 16 - 24 bit 32 to 192 kHz |
| Maximum transmission range for video and USB-HID signals (end-to-end connection) | Cat X: 100 m (328 ft) Fiber, Single Mode 9 µm 1G: 10,000 m(16,404 ft) Fiber, Single Mode 9 µm 3G: 10,000 m (16,404 ft) | |
| Optional interfaces | USB 2.0 (High Speed or Full Speed), analog audio with RS232 or RS422, digital audio, PS/2, USB embedded, symmetrical audio | |



ARTICLE NUMBERS

| CPU | red. | lokal | CONNECTION | | | CON | red. | lokal | CONNECTION | | |
|----------------|------|-------|------------|----------|----------|----------------|------|-------|------------|----------|----------|
| | | | CAT X 1G | Fiber 1G | Fiber 3G | | | | CAT X 1G | Fiber 1G | Fiber 3G |
| L495-BHHCL-XS | | X | X | | | R495-BHHCL-XS | | X | X | | |
| L495-BHHSL-XS | | X | | X | | R495-BHHSL-XS | | X | | X | |
| L495-BHHXL-XS | | X | | | X | R495-BHHXL-XS | | X | | | X |
| L495-BHHCLR-XS | X | X | X | | | R495-BHHCLR-XS | X | X | X | | |
| L490-BHHSLR-XS | X | X | | X | | R495-BHHSLR-XS | X | X | | X | |
| L490-BHHXLR-XS | X | X | | | X | R495-BHHXLR-XS | X | X | | | X |