

DISPLAYPORT KVM EXTENDERS



Resolution of up to 5K / 4K@60

HDR10 (high dynamic range,
10 bit per color)

Lossless transmission, no frame drops

Transmission via Fiber or Cat X

Power redundancy (optional)

Lokal DP1.2 feedthrough (optional)

Integrated remote DP switch (optional)

PRODUCT INFORMATION

The Draco vario XS DisplayPort 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 network bandwidth.

The DisplayPort 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.

PRODUCT FEATURES

- Operation of CPUs from a remote workstation with a DisplayPort monitor and USB HID devices (keyboard, mouse)
- Transmission of fully-digital video signals up to 5K/4K@60
- No frame drops, lossless video codec (visually), full color depth (HDR10)
- PCM audio format can be transferred via the DisplayPort interface (up to 96 kHz)
- EDID management
- Optional: Redundant data link for fail-safe operation
- Optional: Lokal DP switch access for connecting a mobile device at the CON side (e.g. notebook)
- Optional: Lokal video access (feedthrough) at the CPU side
- Compatible with
 - Draco vario classic extenders, max. 1920 x 1200 @ 60Hz via 1G bandwidth
 - 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

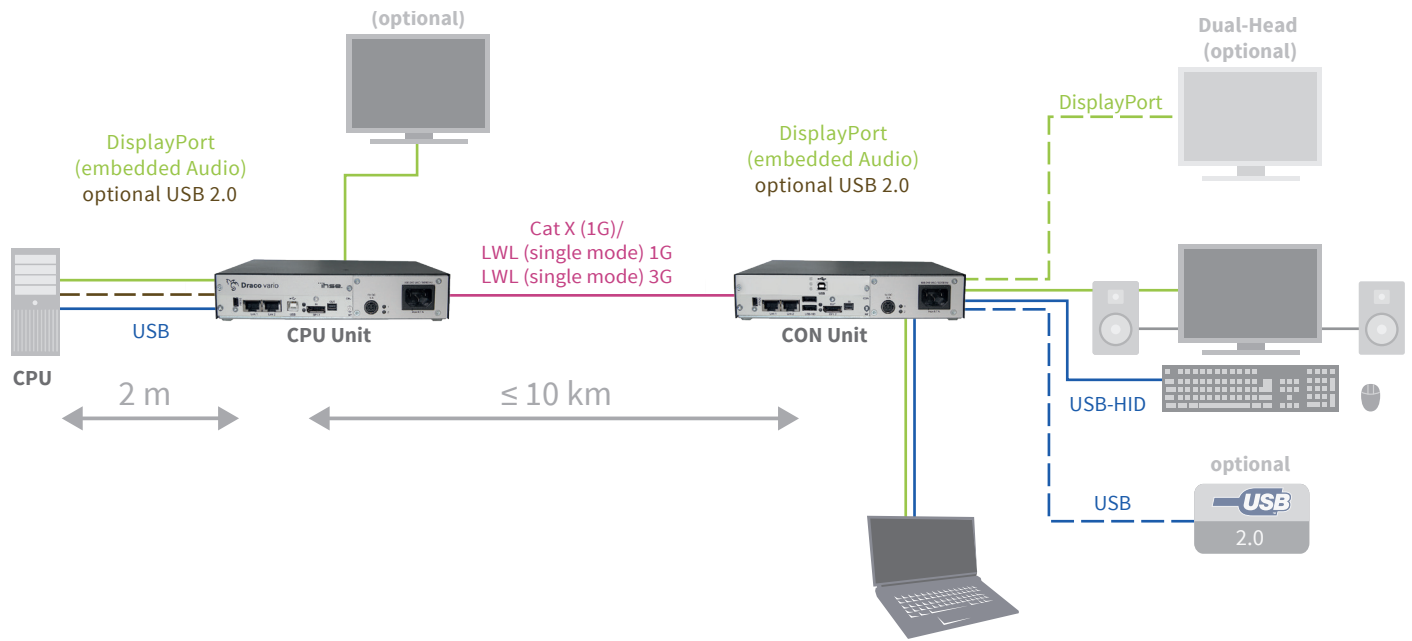
JPEG XS stands for extra speed and extra small.

- 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	DisplayPort 1.2	
Output	DisplayPort 1.2	
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 (30 bit) - UHD 4096 x 2160 @ 60 Hz (30 bit) - 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	CAT X 1G	Fiber 1G	Fiber 3G	CON	red.	lokal	CAT X 1G	Fiber 1G	Fiber 3G
L490-BPHC-XS			X			R490-BPHC-XS			X		
L490-BPHS-XS				X		R490-BPHS-XS				X	
L490-BPHX-XS					X	R490-BPHX-XS					X
L490-BPHCL-XS		X	X			R490-BPHCL-XS		X	X		
L490-BPHSL-XS		X		X		R490-BPHSL-XS		X		X	
L490-BPHXL-XS		X			X	R490-BPHXL-XS		X			X
L490-BPHCR-XS	X		X			R490-BPHCR-XS	X		X		
L490-BPHSR-XS	X			X		R490-BPHSR-XS	X			X	
L490-BPHXR-XS	X				X	R490-BPHXR-XS	X				X
L490-BPHCLR-XS	X	X	X			R490-BPHCLR-XS	X	X	X		
L490-BPHSLR-XS	X	X		X		R490-BPHSLR-XS	X	X		X	
L490-BPHXLR-XS	X	X			X	R490-BPHXLR-XS	X	X			X