

## DISPLAYPORT 1.2 KVM EXTENDERS



Resolution of up to 5K / 4K@60 Hz

10 bit per color, 4:4:4

Lossless transmission, no frame drops

Transmission via fiber or Cat X

Power redundancy (optional)

Local DP1.2 feedthrough (optional)

Integrated remote DP1.2 switch (optional)

## PRODUCT INFORMATION

The Draco vario XS DisplayPort 1.2 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 1.2 exten-

der 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 (10 bit per 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 CPU unit
- Embedded mode for lower video resolutions allows instant switching via Draco tera
- Optional: Redundant data link for 24/7 availability
- Optional: Local DP1.2 switch access for connecting a mobile device at the CON side (e.g. notebook)
- Optional: Local video access (feedthrough) at the CPU side
- 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

### KVM extender with JPEG XS video compression

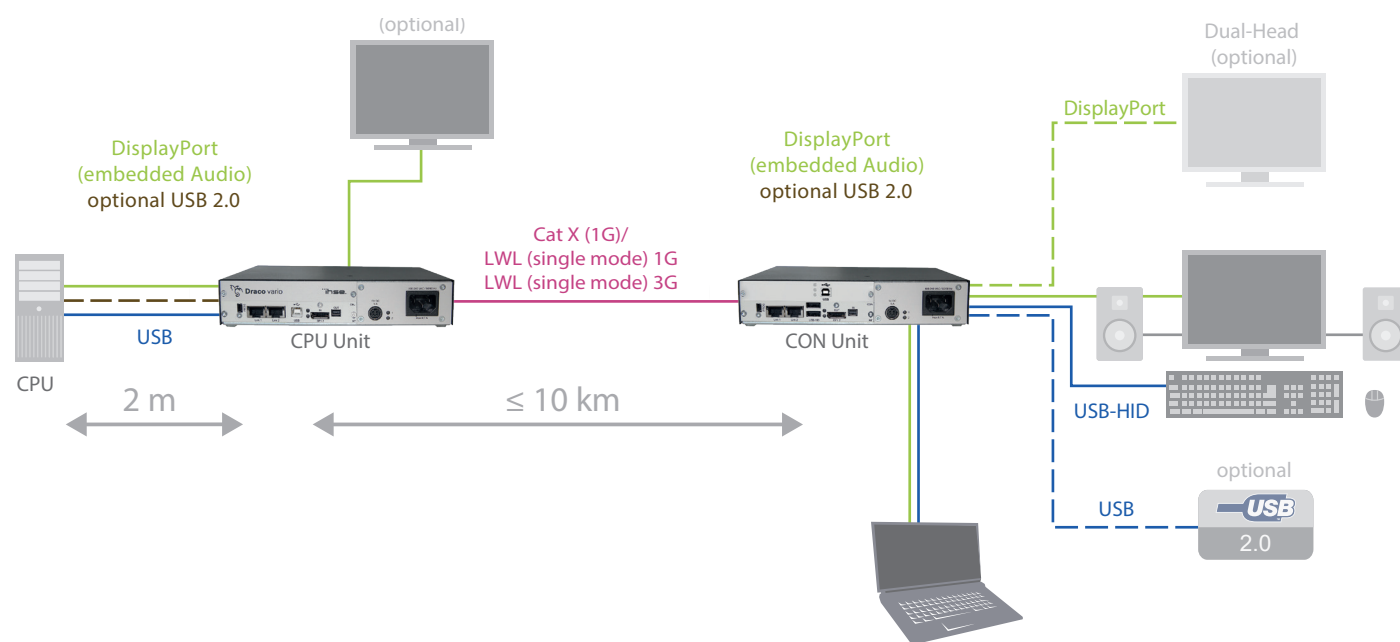
JPEG XS stands for extra speed and extra small.

- 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	
Audio	Standards	Stereo Linear Pulse Code Modulation (LPCM)
	Bit depth	16 - 24 bit
	Sample rate	32 to 192 kHz
Maximum transmission range for video and USB-HID signals (end-to-end connection)	Cat X: 140 m (459 ft) Single-Mode 9 µm 1G: 10,000 m (16,404 ft) 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	LWL 1G	LWL 3G	CON	red.	lokal	CAT X 1G	LWL 1G	LWL 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