

## HDMI 2.0 KVM EXTENDERS



Resolution of up to 5K / 4K@60

8 bit per color, 4:4:4

Lossless transmission, no frame drops

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

Combined video and audio transmission

Local video output as CPU side

Local CPU connection at CON 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 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
- Transmission of fully digital video signals up to 5K/4K@60 via 1G or 3G band width
- No frame drops, lossless video codec (visually), full color depth (8 bit per color, 4:4:4)
- 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 @ 60 Hz
  - all major operating systems
  - all Draco vario upgrade modules for audio and data signals such as USB 2.0, balances audio or RS232

### KVM extender with JPEG XS video compression

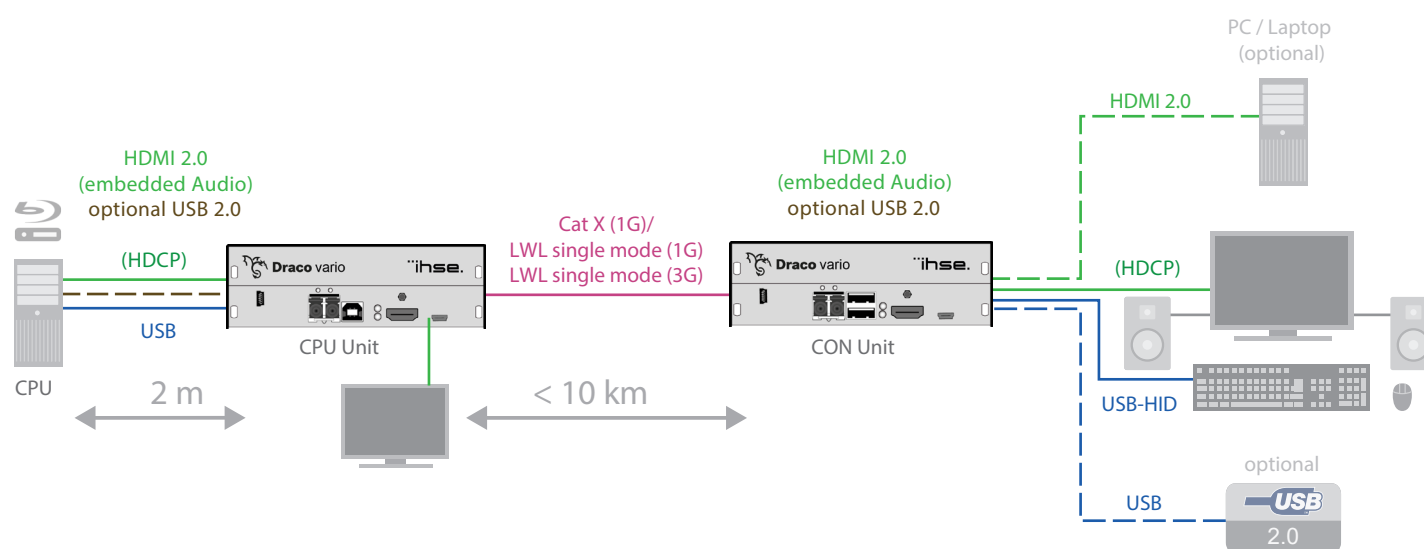
JPEG XS stands for extra speed and extra small.

- 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	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 (30 bit, 4:4:4) - UHD	
	4096 x 2160 @ 60 Hz (30 bit, 4:4:4) - 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 (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, USB embedded, symmetrical audio	



## ARTIKELNUMMERN

CPU	red.	lokal	CAT X 1G	LWL 1G	LWL 3G	CON	red.	lokal	CAT X 1G	LWL 1G	LWL 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