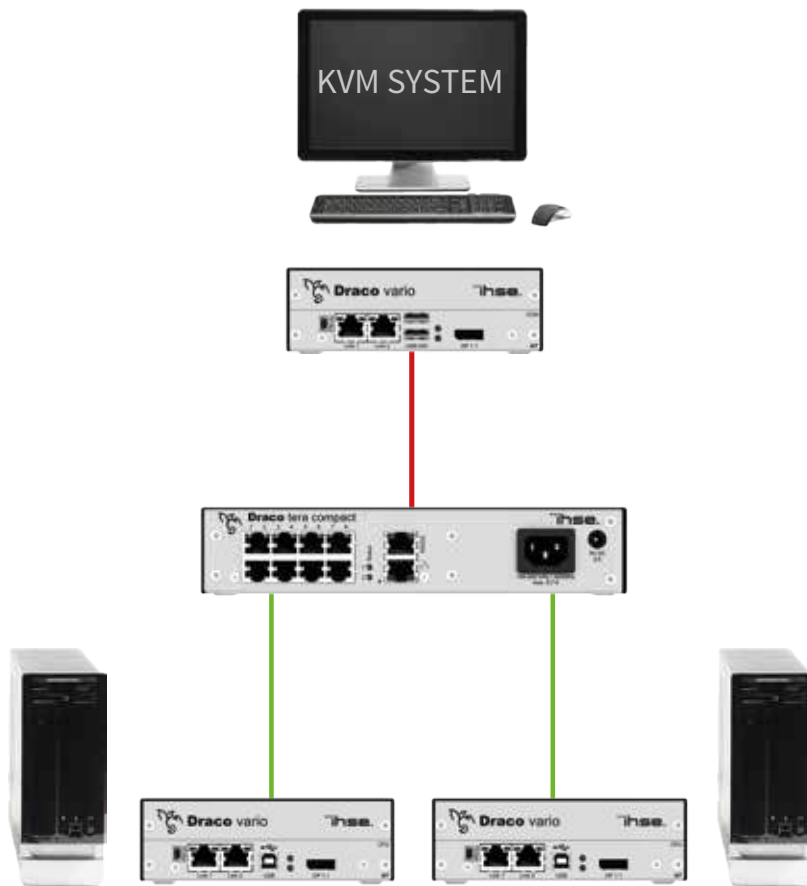


Draco vario extenders let you place a keyboard, monitor, mouse, speakers and USB 2.0 devices long distances from your computer(s) or IHSE KVM matrix.

- Multiple product variants
- Four chassis sizes
- Redundant power supply
- Free customization
- Integrated switch and extender



Product Information

IHSE offers a wide range of pre-configured models for the vario line of extenders.

Start with the basic 2-bay enclosure, select a part number corresponding to the video format requirement (DVI, HDMI, DisplayPort, DVI-I/VGA), with or without options. Each unit includes USB-HID for keyboard and mouse operations.

Options include analog audio, digital audio, RS232, RS422 and USB 2.0. All units are available in either twisted pair (Cat X) or fiber optic interconnects. Units include an external or internal power supply.

The Draco vario extender family is designed around a modular concept that lets you build an extender system to fit your specific needs. Enclosure frames are available in 2 bay, 4 bay, 6 bay and 21 bay units. Frame options include redundant power and rack mount kits. All Draco vario (474, 481, 482, 483, 486, 488) and Draco vario ultra (490, 491, 492, 493, 494, 495) models can be fitted to these frame styles. Main board options include DVI-D, DVI-I (VGA), HDMI, DisplayPort as well as Dual-Head or Dual Link DVI. Add-on modules include a wide range of features and flexibility to

support practically any combination of video and data transports.

Select add-on modules to support USB 2.0, digital audio, analog audio, RS232 or RS422. IHSE offers the Design Your Own Device (DYOD) configuration software to make it easy to build the system you need. All main modules support USB-HID for keyboard and mouse operations and are available in either Cat X or fiber option interconnects. Simple keyboard commands (hot keys) for transmission of remotely connected monitors' EDID information.

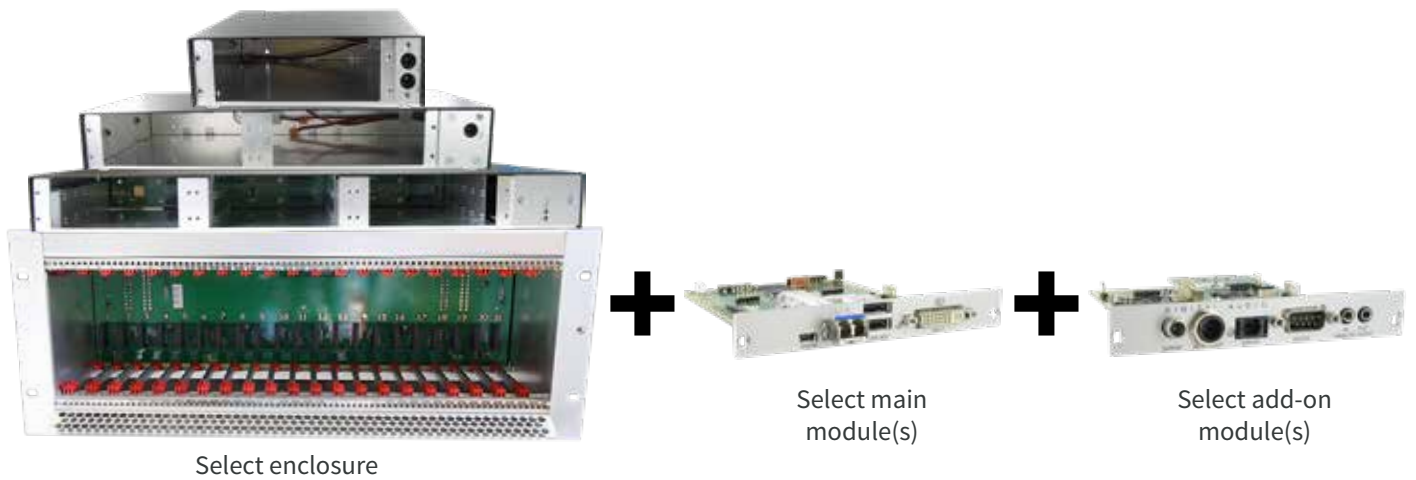


**Why does it make sense to remotely locate a CPU?**

- Protection against dust, moisture and vibrations
- Prevention of theft and unauthorized CPU access
- Simplified maintenance, configuration and administration of multiple user computers at a central point
- Centralized installation of software updates (particularly simple in combination with a KVM switch)
- Air conditioning of CPUs increases life cycles and ensures constant performance
- Pleasant working environment by enhancing space and reducing noise and heat pollution caused by powerful computers
- Reduction of energy consumption

**Modular Units**

Custom built assemblies



**Base Units**

Standard part numbers





- Connection of SDI to the KVM world
- Conversion SDI to DVI/HDMI/DP & vice versa
- Integrated scaler (CON and CPU)
- Compatible to Draco tera matrices
- Fits into Draco vario chassis family
- Variable 2-channel selection for PCM audio

**Product Information**

With the introduction of the Draco SDI extender, it is now possible to combine and convert between SDI video and digital video signals. SDI video signals (up to 3G-SDI) input into an SDI CPU extender are made available to KVM CON units, directly or through a Draco tera KVM matrix switch, for connection to DVI, HDMI or DisplayPort monitors. An SDI CON unit is also able to convert digital

video signals for display on an SDI monitor. Video scaling and deinterlacing is included in the SDI extender, enabling conversion as required, between 720p50/60 or 1080i50/60 SDI video streams and digital formats, including 1080p, 1600x900 or 1920x1200. This ensures that the appropriate video resolution is available to suit the connected monitor. For greatest flexibility in

application, the SDI extender module can be equipped with two coax SFP modules, each with two channels. SFP modules are available to suit dual input and dual output configurations. An additional loopback enables an SDI signal to be passed on to additional SDI devices, whilst being input into the extender for KVM distribution.

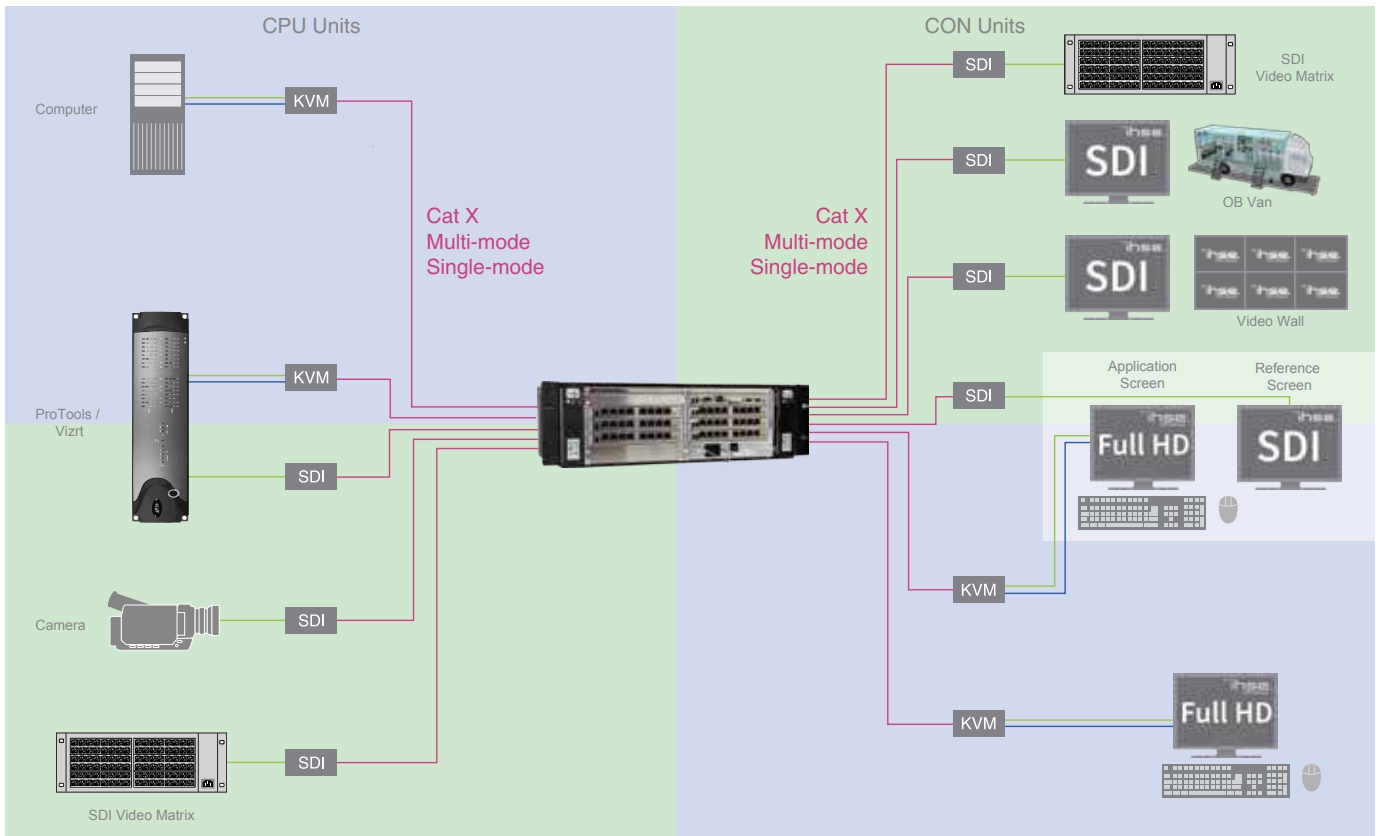
**Product Features**

- 2-port architecture (e.g. for Dual-Head)
- HD-, 3GA-, 3GB-SDI input resolutions (720p50/60, 1080i50/60, 1080p50/60, further resolutions on request)
- Integrated scaler (CON and CPU)
- Scalable output resolutions (e.g. 720p, 1600 x 900 or 1080p)
- Integrated interlacing/deinterlacing
- Conversion from SDI to DVI/HDMI/DisplayPort and vice versa
- Passive loopback
- SDI audio embedding and de-embedding
- Compatible with all Draco tera matrices
- Extensive redundancy options
- Redundant interconnect link (optional)
- Compatible with Draco vario chassis family

TECHNICAL DATA	
Video Interface	Micro-BNC connector
Maximum supported SDI Resolution	1920 x 1080 @ 60 Hz
Signal Format	Level A (3GA), Level B (3GB)
Color Depth	SDI 4 : 2 : 2 (10 bit) KVM 4 : 4 : 4 (8 bit / True Color)
Audio	2-channel audio (selectable)
SFPs	Dual input SFP module (Micro-BNC) Dual output SFP module (Micro-BNC) Input/output SFP module (Micro-BNC)
Maximum Cable Distance	Cat X 140 m Multi-mode 1 km (OM3) Single-mode (9µ) 10 km
Power Consumption	Max. 1,500 mA per unit

**i** The standard scope of delivery for SDI modules includes one mini-coax SFP.

Functional Diagram



Order Numbers

FUNCTIONS	CPU UNIT (LOCAL)	PART NO.	CON UNIT (REMOTE)	PART NO.
		L486-BSDC L486-BSDS upon request		R486-BSDC R486-BSDS upon request
 		L486-BSDCR L486-BSDSR upon request		R486-BSDCR R486-BSDSR upon request

ACCESSORIES	DATA TRANSMISSION	PART NO.
SFP SDI, 3G/HD/SD Video, Micro-BNC to BNC, non-MSA, with passive loopback, reclocked, long reach, for CPU module		459-PLB
SFP SDI, 3G/HD/SD Video, Micro-BNC to BNC, non-MSA, with dual transmitter, reclocked, long reach, for CON module		459-DTX
➤ Adapter cable coax, Micro-BNC to BNC		459-BMB