Draco vario SDI extender

Series 486

KVM Gateway - Combining the worlds of KVM and SDI

Draco vario series

- Connect the KVM with the SDI world
- Conversion SDI into DVI/HDMI/DP & vice versa
- Integrated scaler (CON and CPU)
- Compatible to Draco tera matrices
- Fits into Draco vario chassis family

SDI EXTENSION AND BEYOND

When SDI meets KVM

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 scalability and deinterlacing

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.

SFP options offer flexibility

For greatest flexibility in application, the SDI extender board can be equipped with two Coax SFP modules, each with two channels. SFP modules are available to suit dual input and dual output configurations. In addition, a loopback option is supported enabling an SDI signal to be passed on to additional SDI devices, whilst being input into the extender for KVM distribution.

Applications

The SDI CON and CPU extender units offer a new range of applications within a KVM matrix installation. 3G-SDI signals can be input from standard broadcast and post production tools, such as Avid Pro Tools and Vizrt. Video streams can then be distributed throughout a facility over an installed KVM matrix switch installation for access on individual workstations using DVI, HDMI, DisplayPort monitors. Typical applications include broadcast and post production facilities and edit suites, outside broadcast vehicles and commercial complexes that utilise broadcast-standard production technology, but also require access from standard computer monitors. Conversion from computer-based video signals to SDI allows flexible access and viewing of digital video streams on broadcast monitors giving greater flexibility and functionality to broadcast and other environments.

PRODUCT FEATURES

- 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 into DVI/HDMI/DisplayPort and vice versa
- Loopback option
- SDI audio embedding and de-embedding
- Compatible with all Draco tera matrices
- Extensive redundancy options
- Compatible with Draco vario chassis family

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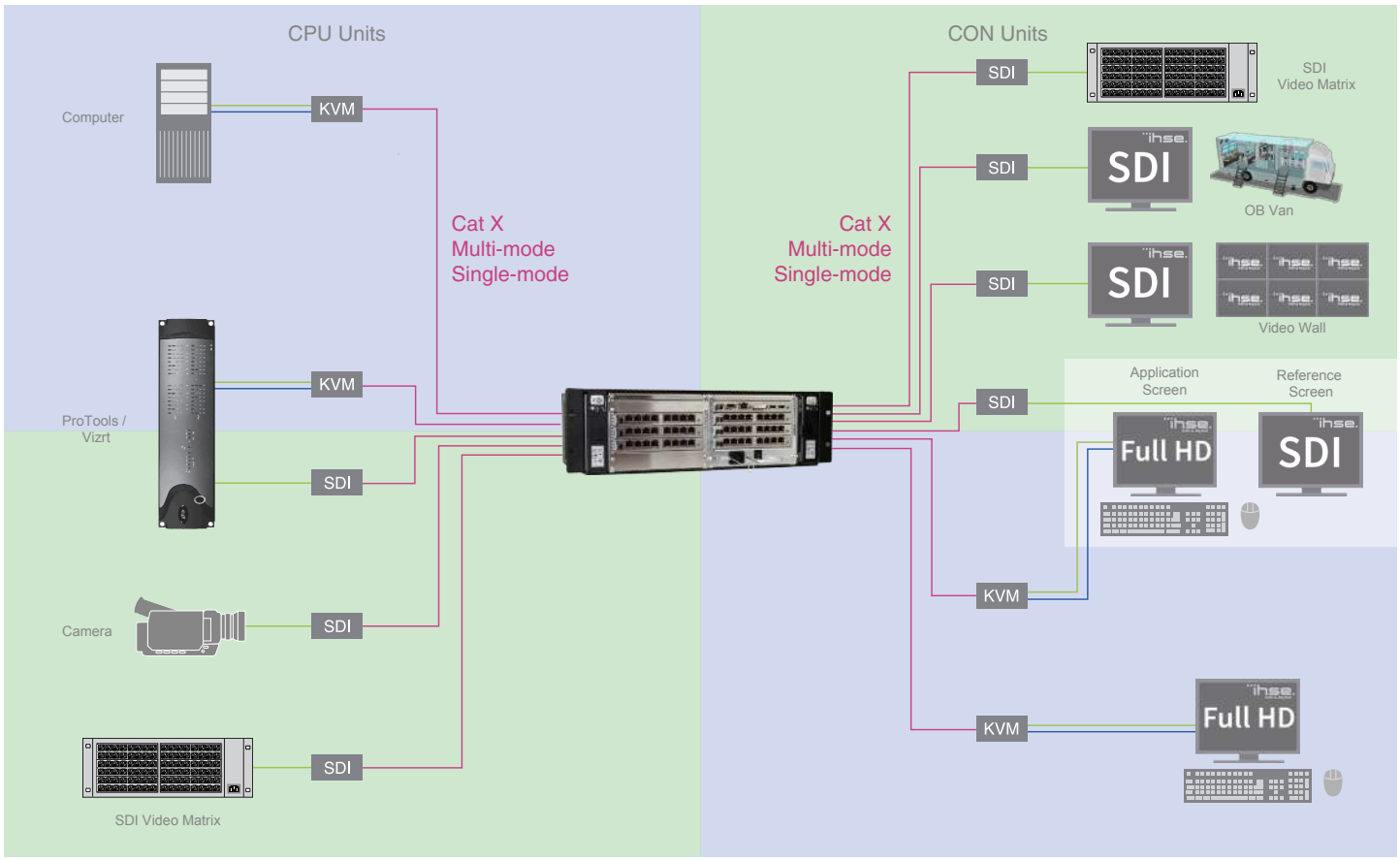
TECHNICAL DATA		
Part No.	L486(CPU) / R486(CON) Product types: BSDC, BSDCR, BSDS, BSDSR	
Video interface	Mini BNC connector	
Supported SDI resolutions	720p50 1080p50 720p60 1080p60 1080i50 1080i60 Further resolutions on request	
Signal format	Level A (3GA), Level B (3GB)	
Color space	SDI 4 : 2 : 2 (10 bit)	KVM 4 : 4 : 4 (8 bit)
Audio	2 channel audio	
SFPs	- Dual input SFP module (mini BNC) - Dual output SFP module (mini BNC) - Input / Output SFP module (mini BNC)	
Maximum transmission range for video and USB-HID signals (end-to-end connection)	Cat X: 140 m (459 ft) Single-Mode 9µm: 10,000 m (32,808 ft) Single-Mode 9µm XV: 5,000 m (16,404 ft) Multi-Mode 50µm (OM3): 1,000 m (3,280 ft) Multi-Mode 50µm: 400 m (1,312 ft)	
Power consumption	Max. 1,500 mA per unit	
Dimensions	Depending on chassis type in use	

NOTICE:

Transmission ranges for transparent USB when using add-on modules

When using L474/R474 add-on modules with transparent USB, the binding specifications stated in the data sheets of the add-on modules apply.

FUNCTIONAL DIAGRAM - APPLICATIONS



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