

Intel® Digital Signage Open Pluggable Specification (OPS) compliant IHSE Draco ultra KVM extender



Single wire connection to displays

Industry-wide display compatibility

Simplified, space-saving installation

Full USB-HID and USB 2.0 connectivity

10 bit (Deep Color), 4:4:4 chroma sampling

Fraunhofer IIS' Lici® codec included

Enhanced maintainability

## DRACO OPS KVM EXTENDER

### Applications

The Draco ultra OPS 4K60 KVM extender simplifies installation, operation and management of remote displays in retail signage, airports, train stations, medical and museums.

### Signal deployment

A single module inserted into a standardized OPS socket delivers 4K60 video and analog audio connectivity, with full USB interactivity. Single wire

(Cat 3G or fiber 3G) enables remote connection to displays up to 140m/5km from the media source. USB-HID is being fully supported; mouse and keyboard are connected to the HID ports. USB 2.0 embedded support ensures the use of the monitor's touch screen function, if included by the monitor. With the addition of a Draco tera KVM matrix, networks of screens can be controlled and content delivered to appropriate

displays in real-time as and when required by simply switching sources.

### OPS offers connectivity

The Draco OPS KVM extender delivers the ideal solution for hard-to-access, highly secure installations and better system management, including redundancy options to prevent system failures. The device is fully compatible to the extenders of the Draco vario series and Draco tera matrices.

## PRODUCT FEATURES

- > Compatible with any display having an OPS slot / backward compatibility with OPS displays
- > Allows the displays to be located anywhere, with single cable connection and no additional power or network cables
- > Source switching: any source to any display due to full Draco tera KVM matrix compatibility
- > Signal distribution via matrix allows a single source to be shared across multiple displays
- > Reliability and continuous operation via redundant link
- > Provides workstation video power in a standardized, small formfactor (OPS) without noise (no fan)

TECHNICAL DATA	
Link Interface	2x RJ45 or 2x LC Duplex (Single-mode)
Output Interface (plug socket)	JAE 80 - Pin (TX25 Plug Connector)
Video Resolution (max.)	3840x2160 @ 60Hz
Color Depth	10 bit (Deep Color), 4:4:4 chroma sampling
Service Interface	Mini-USB (F)
Audio	Analog audio integrated - Line level interface - Parallele bidirectional stereo audio - Digitized virtually CD quality (16 bit, 38.4 kHz) - Input impedance: 47 kOhm - Output impedance: 270 Ohm
Keyboard / Mouse	Fully supported USB-HID, mouse and keyboard connected to extender / HID ports
USB 2.0	USB 2.0 embedded (R474-BXE2 based) with on 50 Mbit/s of bandwidth
Distance (max.)	Cat X 140 m Multi-mode fiber 1,000 m Single-mode fiber XV 5,000 m
Power	+ 12-19V @ max. 8A (via JAE 80 - Pin)
Part No.	R490-OPEXR (Fiber) R490-OPECXR (Cat X, upon request)

## FUNCTIONAL DIAGRAM

