

OVS-X optical HD-/SD-SDI switch „1 of 2“

This optical SDI switch provides optical switching of the video signals.

Both inputs signals are split 50:50, where the 50% signal is used for status detection.

One electrical output for monitoring can be used. In case of power fail the last switching path will be hold. The switching delay and optional criteria can be set in the management interface (SMI-X module).

Technical data

Signal format	opt. HD-/SD-SDI signal acc. to. SMPTE 292M / 259M / 424M up to 2.970 Gbps
Inputs	optical LC-Connector 1310nm SM (>1260nm, <1600nm)
Minimal optical level for detector	-16.5 dBm or -14.5 dBm (@ 2.970 Gbps)
maximal optical level for detector	+ 3dBm
Output	optical LC-Connector SM (wavelength equal to input)
Path attenuation	max 4.5 dB at connectors on active path
Monitor output	
Output level	800 mV ± 10%
Output impedance	75 Ω
Connectors	BNC, IEC169/8
Return loss	>15 dB
Detector criteria	PLL lock to allowed bit rates TRS-ID detection of allowed IDs
Software selectable	Embedded AES detection
Indicators	LED orange – module active LED yellow – power supply ok LED green - signal applied o.k. (A and B) LED green – switch position A or B LED green – monitor output ^A / _B LED red - error
Power consumption	typ. 10 watts

*) option

OVS-X is a product of Headroom Broadcast. It belongs to the group of monitoring and switching devices for video, audio and telecom signals, covering single purpose stand-alone devices as well as multi format modular systems for signal management.