

EVS-X electrical HD-/SD-SDI switch „1 of 2“

Both input signals A and B pass automatic cable equalizers to cope with long coaxial cables.

A PLL based re-timer circuitry re-clocks input A resp. input B signal, providing standard compliant signals to the internal selector switch.

All internal status/ alarm signals, as well as results of measurements, are processed by a micro controller. Based on programmable parameters, the uC controls the switch, the relays, drives the indication LED and communicates with the system controller module SMI-X.

In case of power failure the last switching path will be held.

The switching delay can be set by software.

Technical data

Signal format	el. HD-/SD-SDI signal acc. to. SMPTE 292M / 259M 1.485Gbps / 270 Mbps
Outputs	1
Output level	1 Vss nominal
Input impedance	75 Ω
Output impedance	75 Ω
Connectors	BNC type 75 Ohm, IEC169/8
Return loss	>15 dB
Detector criteria	Bit rate 1.485 Gbps / 270 Mbit/s TRS detection <i>Software selectable:</i> Emb. AES detection Silence detection on Emb. AES*
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. 10W

*) option

EVS-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.