

## Flashlink

HDSDI-CHO-2x1

# SD or HD-SDI changeover

The Flashlink HDSDI-CHO-2x1 is a multi bit-rate change-over providing intelligent input switching in studio and broadcast applications.

The unit provides the ability to change between inputs based on input signal integrity.

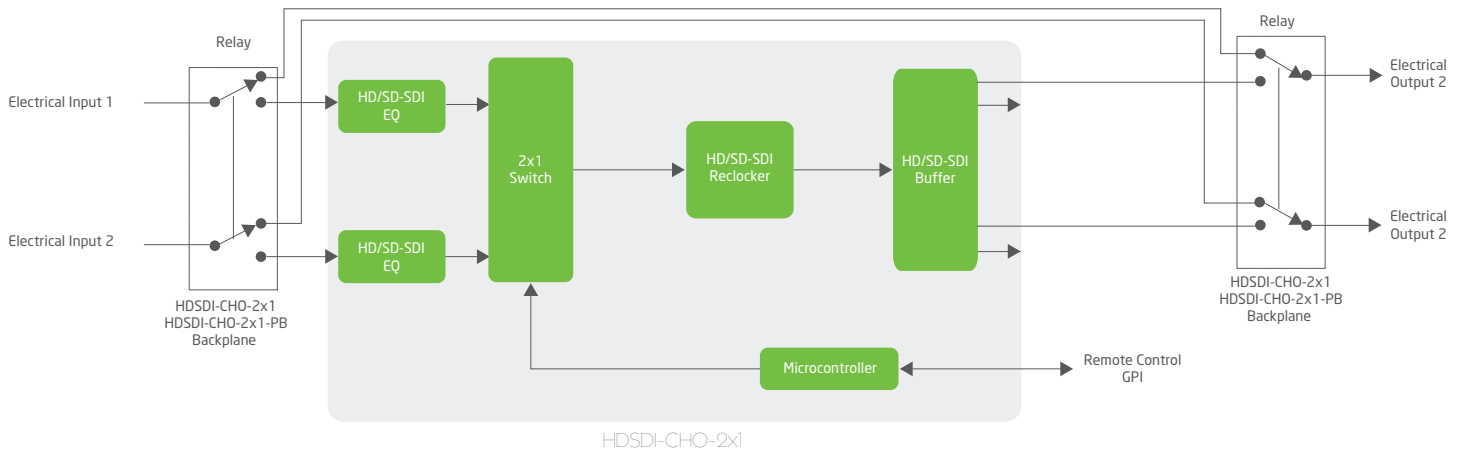
The inputs are protected with bypass relays that ensure passive loop-thru of both input signals to their respective outputs in case of mains or card failure.

### Applications

- Head-end signal protection
- Broadcast signal protection
- Studio interconnection
- Broadcast contribution

### Key features

- Full redundancy on power failure thru passive input bypass on the backplane
- Multirate changeover
- Non-broadcast data rates also supported non-relocked
- Auto changeover on signal loss or relock error
- Configurable change back logic
- Reports signal loss and bitrate
- GPI control and alarms
- Integrated DA with 4 relocked HD-SDI/SD-SDI outputs

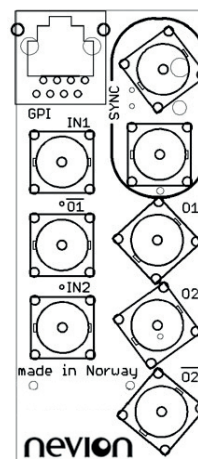


## Product description

The Flashlink HDSDI-CHO-2x1 is a serial digital video 2x1 change-over module providing high performance line protection for various signal formats from 1Mbps up to 1485Mbps. The unit can be configured to perform cable equalizing and re-clocking of SMPTE 292M, SMPTE 259M and DVB-ASI signal formats. The switching criteria can be selected to be based on loss of input signal or loss of lock (re-clocker). The switch can either be latching or non-latching (in loss of lock mode, only latching switch is available). It is also possible to control the switch with GPI inputs, with the GYDA system controller or with the open protocol RS422 interface.

The two inputs typically provide automatic cable equalizers for up to 250 meters of cable (Belden 8281A at 270Mbps) with a 2 x 1 switch in front of a re-clocker with 4 outputs. The re-clocker supports the bit-rates; 143, 177, 270, 360, 540 and 1485Mbps. For other rates, the re-clocker automatically switches to bypass mode and the HDSDI-CHO-2x1 will work as a non-reclocking 2x1 change-over unit with cable equalizer. The HDSDI-CHO-2x1 also has a special DVB-ASI mode, enabling all possible rates including empty transport streams with only K28.5 padding packets. 2 outputs are non-inverting to support DVB-ASI compatibility.

The HDSDI-CHO-2x1 is designed for various line protection applications for studio, campus, broadcast and telecom.



HDSDI-CHO-2x1  
Back panel

## General

Power	3W/5V
Operating temp.	0 – 40C

## Supported standards

SMPTE-259M, SMPTE-344M, SMPTE-310, SMPTE-305.2M, SMPTE-292, EN50083-9

## Electrical SDI input

No of inputs	2, relay protected with -PB option
Signal type	HD-SDI, SD-SDI, DVB-ASI 19.4Mbps – 540Mbps
Cable equalization	Automatic 100m @ HD-SDI w/ Belden 1694A 300m @ SD-SDI w/ Belden 8281
Connector	BNC, 75 Ohm

## Electrical SDI output

No of outputs	4
Signal polarity	2 non-inverting, 2 inverting
Level	800mV +/-10%
Connector	BNC, 75 Ohm

## Ordering options

11169 HDSDI-CHO-2x1	2x1 Changeover for HD-SDI
11388 SDI-CHO-2x1	2x1 Changeover for SD-SDI
19221 HDSDI-CHO-2x1-PB	2x1 Changeover for HD-SDI with passive relayed bypass
19220 SDI-CHO-2x1-PB	2x1 Changeover for SD-SDI with passive relayed bypass



## CONTACT INFORMATION

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