



Synapse

2IX08

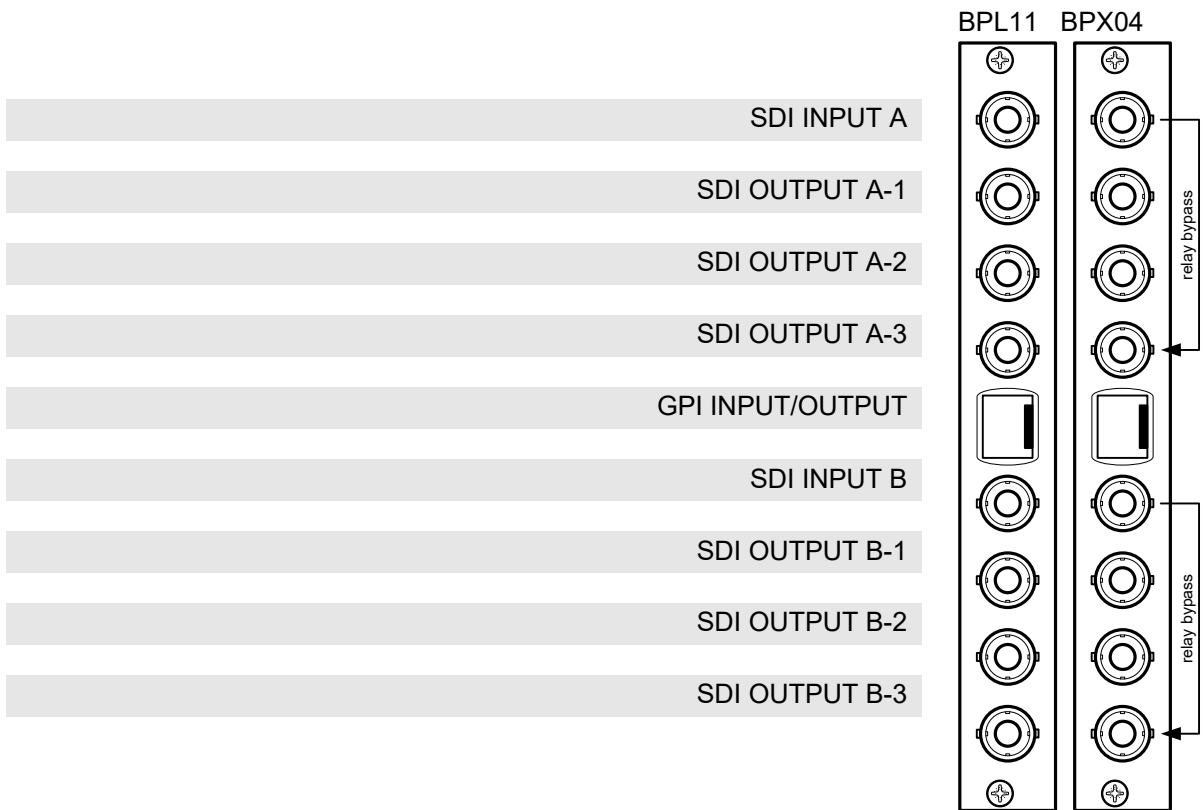
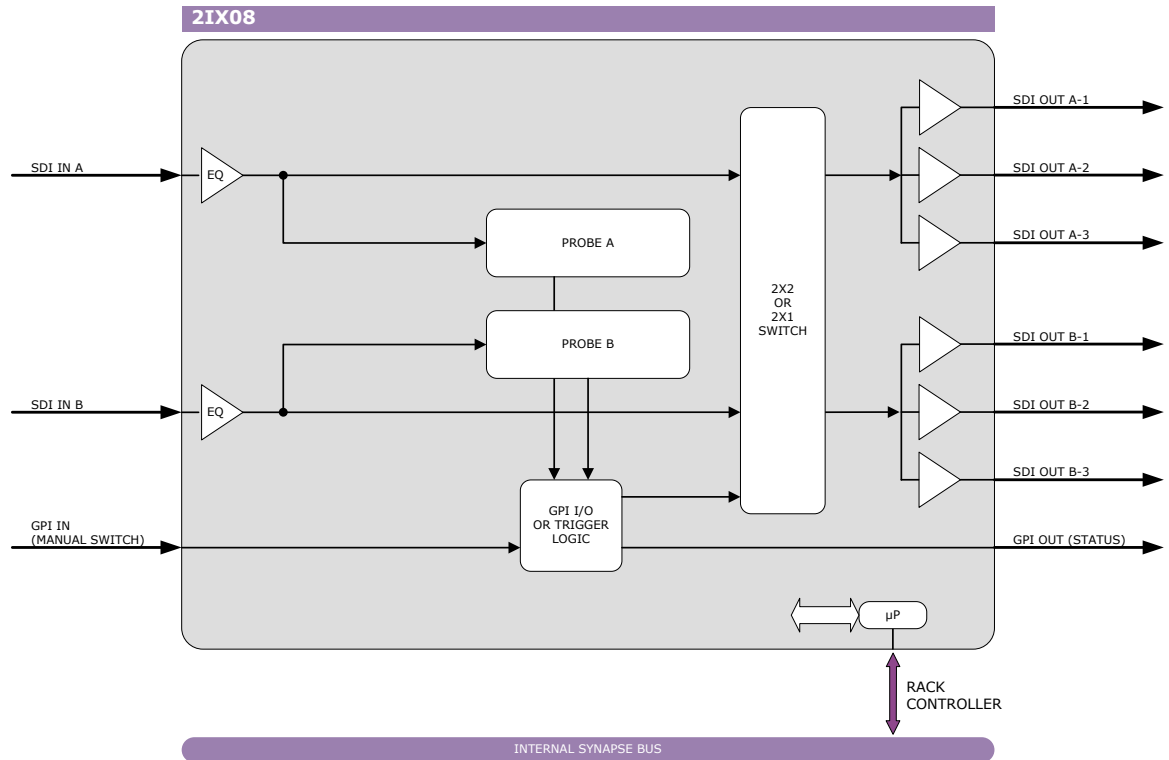
**Dual channel basic integrity checking probe
with switch-over function**

A Synapse® product



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Block schematic & I/O panel



Features

The 2IX08 is a dual channel basic signal integrity monitor with switch-over function. The difference with the 2IX09 and 2IX10 is that these have an enhanced range of probing functions and 2 built-in frame-synchronizers for clean switching. The switch function can be triggered by any of the integrity controls or by GPI. Each output has a fan-out of 3 and all outputs can be sourced from the same input. The module has the following features:

- SDI carrier detect
- EDH detection
- TRS validation
- Full control and status monitoring through the front panel of the SFR04/SFR08/SFR18 frame and the Ethernet port (ACP)

Applications

- The 2IX08 can be used as station output card, and ingest quality control card or a generic 2 x 2 switch
- Generic probing with automatic back-up switching

Ordering information

Module:

- **2IX08:** Dual channel basic integrity checking probe with switch-over function

Standard I/O:

- **BPL11_2IXxx:** I/O panel for 2IX08
- **BPX04_2IXxx:** I/O panel for 2IX08 with relay bypass

Specifications

Serial Video Input

Standard	625/50 or 525/59.94 SMPTE 259M-C (270Mb/s) with SMPTE 272M embedded audio
Number of Inputs	2 (1 per channel)
Equalization	Automatic to 300m (100m with BPX04) @ 270Mb/s with Belden 1694A or equivalent cable
Return Loss	> 15dB up to 270MHz

SD Serial Video Output

Standard	625/50 or 525/59.94 SMPTE 259M-C (270Mb/s) with SMPTE 272M embedded audio
Number of Outputs	3 per channel or 6 in 2x1 mode
Signal Level	800mV nominal
DC Offset	0V ±0.5V
Rise/Fall Time	800ps nominal
Overshoot	< 10% of amplitude
Return Loss	> 15dB up to 270MHz

Miscellaneous

Weight	Approx. 250g
Operating Temperature	0 °C to 50 °C
Dimensions	137 x 296 x 20 mm (HxWxD)

Electrical

Voltage	+24V to +30V
Power	<9 Watts