



2IX08

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

A Synapse® product

Synapse

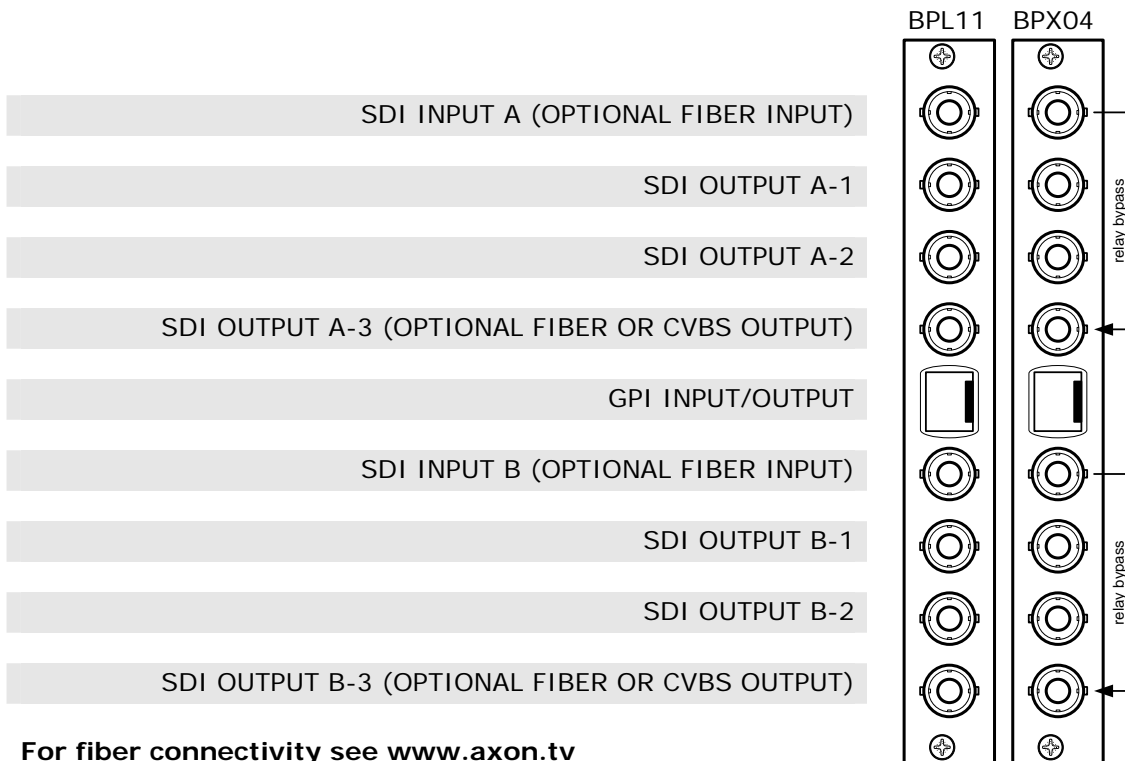
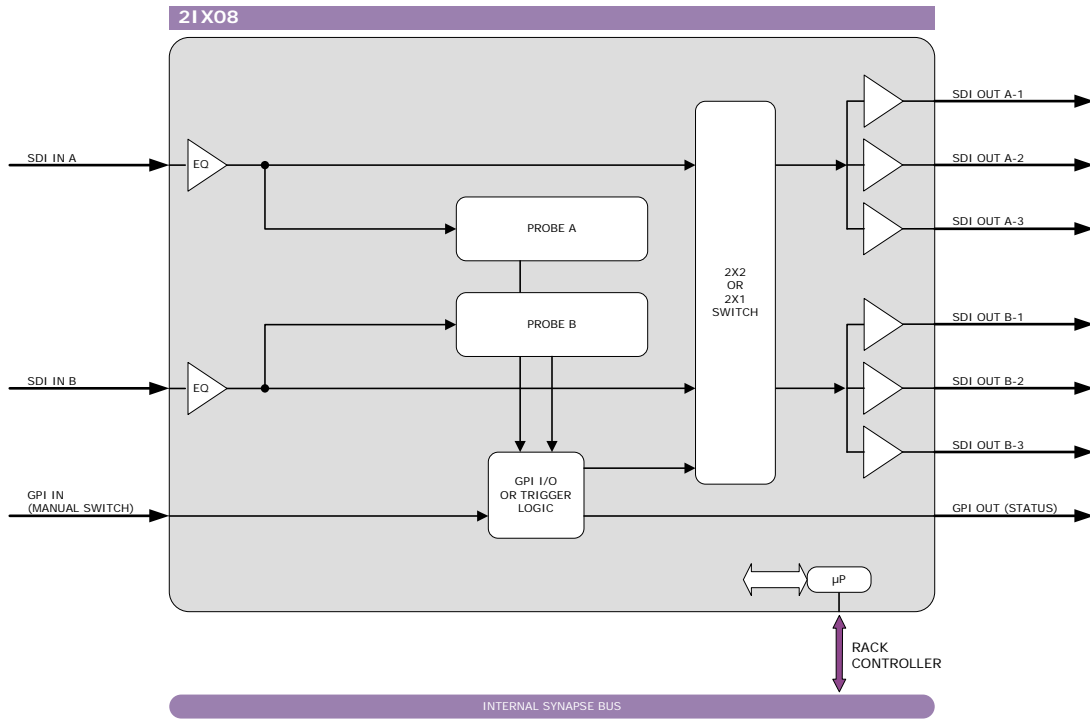


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Block schematic & I/O panel



For fiber connectivity see www.axon.tv

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)
- Optional 2 fiber inputs (replacing 2 SDI inputs) or 2 fiber outputs (replacing 2 SDI outputs) on I/O panel
- Optional 2 CVBS outputs (replacing 2 SDI outputs) on I/O panel

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_2IX08:** I/O panel for 2IX08
- **BPX04_2IX08:** I/O panel for 2IX08 with relay bypass

Fiber outputs:

- **BPL11T2_FC/PC_2IX08:** I/O panel for 2IX08 with 2 fiber transmitters on FC/PC
- **BPL11T2_SC_2IX08:** I/O panel for 2IX08 with 2 fiber transmitters on SC

Fiber inputs:

- **BPL11R2_FC/PC_2IX08:** I/O panel for 2IX08 with 2 fiber receivers on FC/PC
- **BPL11R2_SC_2IX08:** I/O panel for 2IX08 with 2 fiber receivers on SC

CVBS output:

- **BPL11C2_2IX08:** I/O panel for 2IX08 with 2 CVBS outputs

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 @ 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 \pm 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 |