



SVD20

SD Extended (254 frames) video delay

A Synapse® product

Synapse

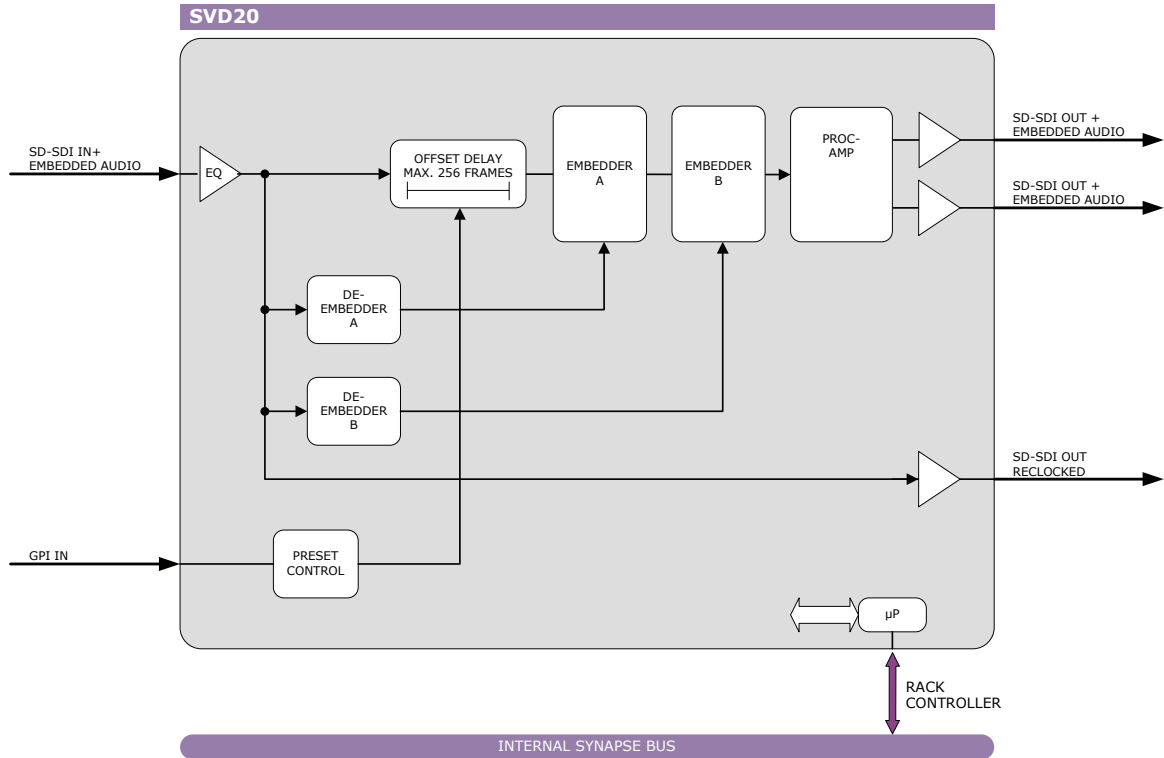


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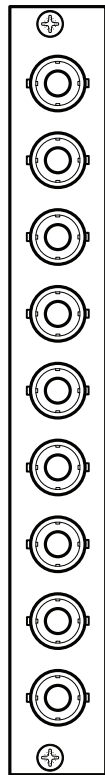
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Block schematic & I/O panel



- SD-SDI INPUT (OPTIONAL FIBER INPUT)
- SD-SDI RECLOCKED INPUT
- SD-SDI PROCESSED OUTPUT 1
- SD-SDI PROCESSED OUTPUT 2 (OPTIONAL FIBER OR CVBS OUTPUT)

BPH01



For fiber connectivity see www.axon.tv

Features

The SVD20 is an adjustable 254 frames video delay. This delay can be used in an emergency overwrite application where the broadcaster needs to censure live transmissions.

- Adjustable offset delay up to 254 frames
- Adjustment in frames, lines and pixels
- 2 group audio transparency (user selectable)
- Processed embedded audio with the same or minimum delay or blank
- Delay status
- Proc Amp
- Full control and status monitoring through the front panel of the SFR04/SFR08/SFR18 frame and the Ethernet port (ACP)
- Optional 1 fiber input (replacing 1 SDI input) or 1 fiber output (replacing 1 SDI output) on I/O panel
- Optional 1 CVBS output (replacing 1 SDI output) on I/O panel

Applications

- Censorship of live broadcasts
- Video with extreme embedded audio delay compensation
- Extreme audio delay compensation

Ordering information

Module:

- **SVD20:** SD Extended (254 frames) video delay

Standard I/O:

- **BPH01_SVD20:** I/O panel for SVD20

Fiber outputs:

- **BPH01T_FC/PC_SVD20:** I/O panel for SVD20 with fiber transmitter on FC/PC
- **BPH01T_SC_SVD20:** I/O panel for SVD20 with fiber transmitter on SC

Fiber inputs:

- **BPH01R_FC/PC_SVD20:** I/O panel for SVD20 with fiber receiver on FC/PC
- **BPH01R_SC_SVD20:** I/O panel for SVD20 with fiber receiver on SC

CVBS output:

- **BPH01C_SVD20:** I/O panel for SVD20 with CVBS output

Specifications

Serial Video Input

Standard	625/50 or 525/59.94 SMPTE 259M-C (270Mb/s) with SMPTE 272M embedded audio
Number of Inputs	1
Equalization	Automatic to 200m @ 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 (1 reclocked and 2 processed)
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	<8 Watts