



HDR09

HD/SD dual input 1 to 3 reclocking distribution amplifier

A Synapse® product

Synapse

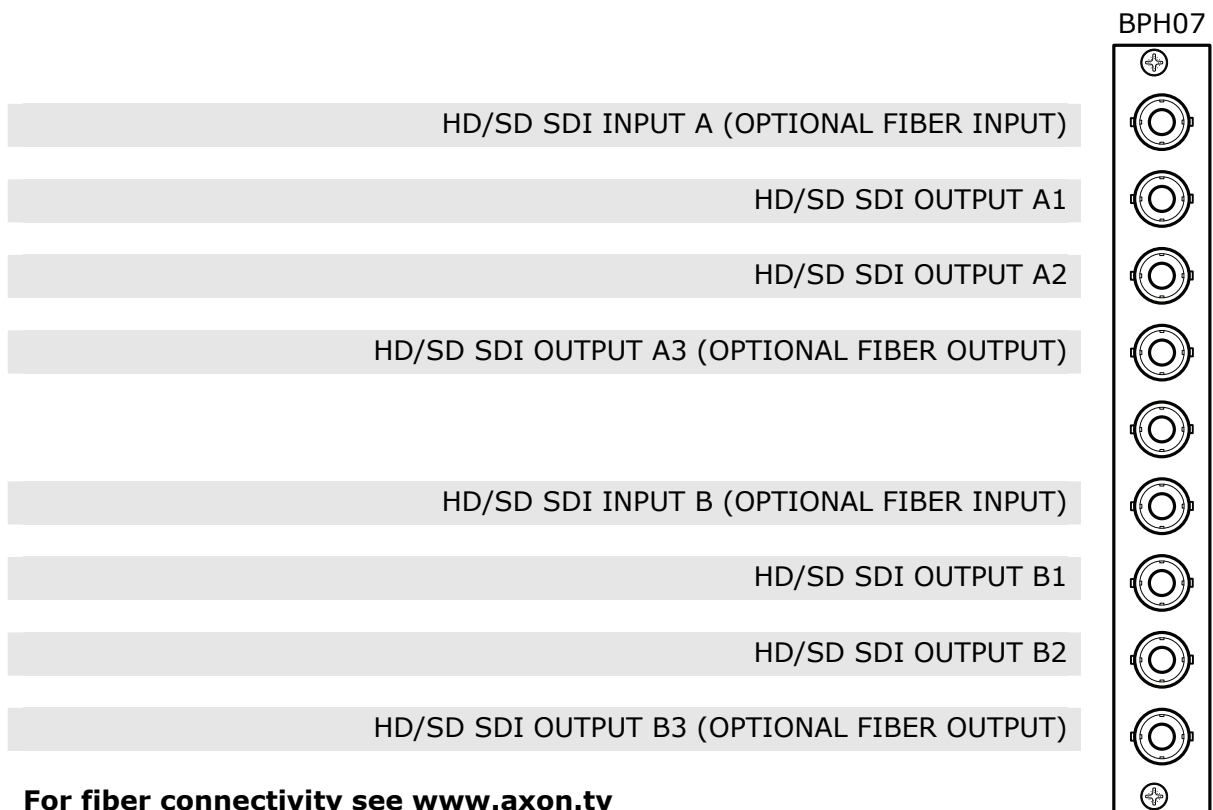
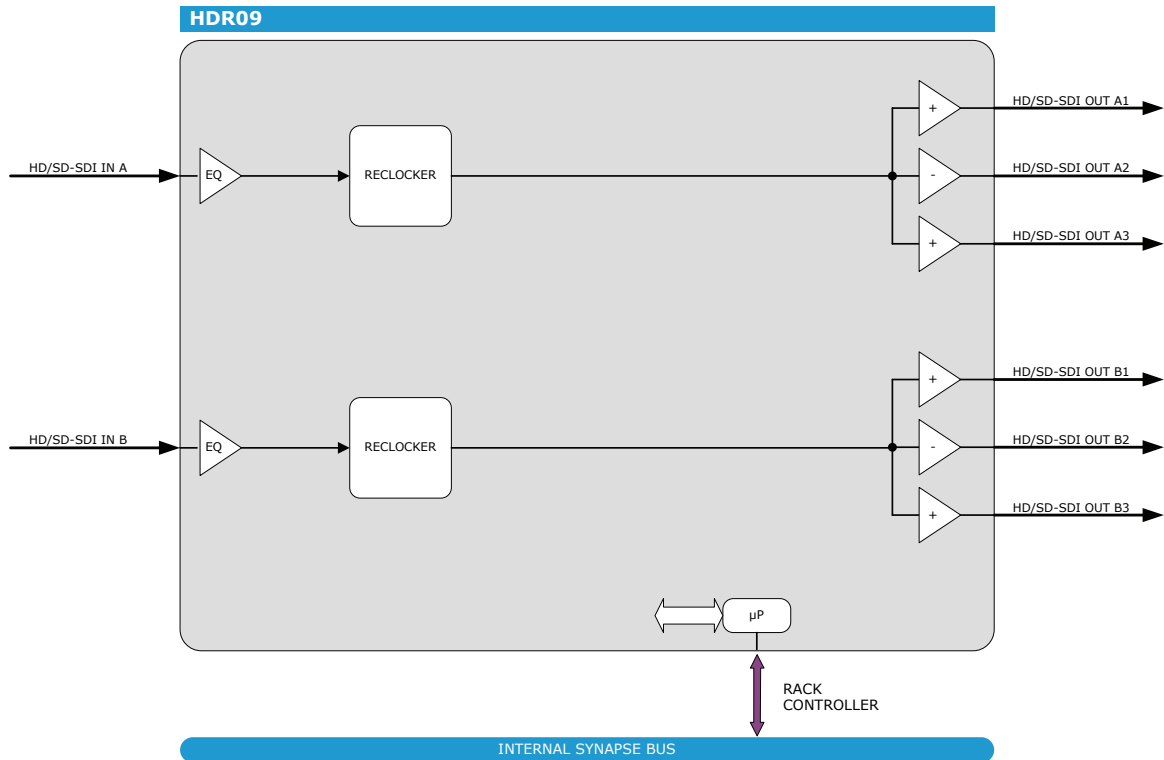


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Block schematic & I/O panel



For fiber connectivity see www.axon.tv

Features

The HDR09 is a dual channel HD/SD-SDI reclocking distribution amplifier

- Compatible with:
 - 143 Mbit/s
 - 177 Mbit/s
 - 270 Mbit/s
 - 360 Mbit/s
 - 540 Mbit/s
 - 1485 Mbit/s
- Inverting and non inverting outputs
- Bypass function of the reclocker for non-standard frequencies
- Full control and status monitoring through the front panel of the SFR04/SFR08/SFR18 frame and the Ethernet port (ACP)
- Optional 2 fiber input (replacing 2 SDI inputs) or 2 fiber output (replacing 2 SDI outputs) on I/O panel

Applications

The HDR09 can be used as a dual channel generic wideband DA

Ordering information

Module:

- **HDR09:** HD dual reclocking distribution dual 1 to 3 amplifier

Standard I/O:

- **BPH07_HDR09:** I/O panel for HDR09

Fiber outputs:

- **BPH07T2_FC/PC_HDR09:** I/O panel for HDR09 with 2 fiber transmitters on FC/PC
- **BPH07T2_SC_HDR09:** I/O panel for HDR09 with 2 fiber transmitters on SC

Fiber inputs:

- **BPH07R2_FC/PC_HDR09:** I/O panel for HDR09 with 2 fiber receivers on FC/PC
- **BPH07R2_SC_HDR09:** I/O panel for HDR09 with 2 fiber receivers on SC

Specifications

HD/SD Serial Video Input

Standard	SD and HD SDI: SMPTE 292M, SMPTE 259M
Number of Inputs	2
Connector	BNC
Equalization	Automatic to 100m @ 1.5Gb/s with Belden 1694 (or equivalent)
Return Loss	> 15dB up to 1.485GHz

Serial Video Output

Number of Outputs	6 (2 x 3)
Connector	BNC
Signal Level	800mV nominal
DC Offset	0V \pm 0.5V
Rise/Fall Time	200ps nominal
Overshoot	< 10% of amplitude
Return Loss	> 15dB up to 1.485GHz
Wideband Jitter	< 0.2UI

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	5 Watts