



**SAV38**

**Triple monitoring D/A converter  
(composite or Y/C outputs)**

**A Synapse® product**

*Synapse*

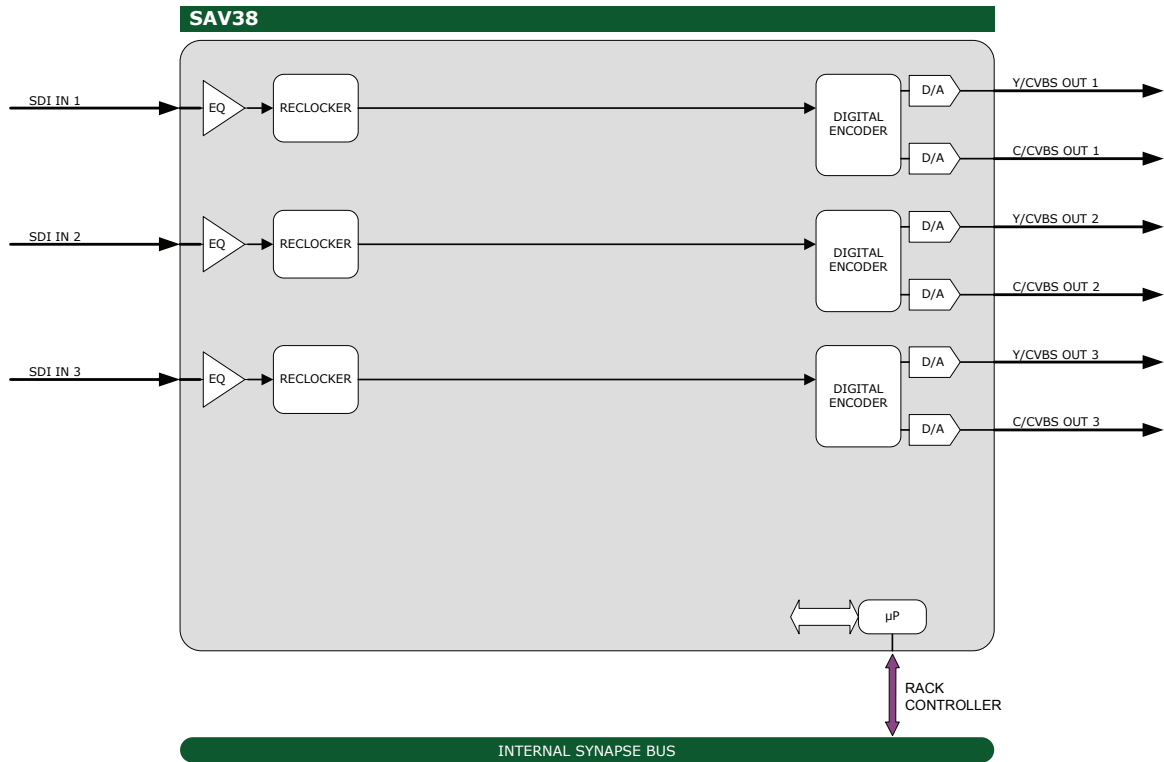
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# VIDEO D/A CONVERSION

## Block schematic & I/O panel



For fiber connectivity see [www.axon.tv](http://www.axon.tv)

### Features

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The SAV38 is a triple channel monitoring D/A converter. The three individual channels can be used for dual composite or Y/C output signals. By introducing this triplet, AXON is able to provide an extreme high density monitoring system with up to 12 channels in one rack unit (SFR04), 24 channels in a SFR08 and 54 channels in four rack units (SFR18).

- 3 individual SDI inputs
- Selectable individual standards
  - NTSC
  - NTSC-J
  - PAL-BDGHI
- 3 dual composite or Y/C outputs
- Selectable vertical interval blanking
- Selectable NTSC set-up removal
- Internal colorbar (only when SDI is connected)
- Input status monitoring
- EDH status monitoring
- Full control and status monitoring through the front panel of the SFR04/SFR08/SFR18 frame and the Ethernet port (ACP)
- Optional 3 fiber inputs (replacing 3 SDI inputs) on I/O panel

### Applications

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- High density monitor wall applications

### Ordering information

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**Module:**

- **SAV38:** Triple monitoring D/A converter (composite or Y/C outputs)

**Standard I/O:**

- **BPL01\_SAV38:** I/O panel for SAV38

**Fiber inputs:**

- **BPL01R3\_FC/PC\_SAV38:** I/O panel for SAV38 with 3 fiber receivers on FC/PC
- **BPL01R3\_SC\_SAV38:** I/O panel for SAV38 with 3 fiber receivers on SC

## Specifications

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### Serial Video Input

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<b>Standard</b>	625/50 or 525/59.94 SMPTE 259M-C (270Mb/s) with SMPTE 272M embedded audio
<b>Number of Inputs</b>	3
<b>Equalization</b>	Automatic to 300m @ 270Mb/s with Belden 1694A or equivalent cable
<b>Return Loss</b>	> 20dB up to 270MHz

### Analog Video Output

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<b>Standard</b>	PAL (ITU624-4) or NTSC (SMPTE 170M), YC
<b>Number of Outputs</b>	6 (3 x 2)
<b>Connector</b>	BNC
<b>Signal Level</b>	1V nominal
<b>Impedance</b>	75 Ohms
<b>Return Loss</b>	> 35dB to 10MHz
<b>Frequency Response</b>	0.5dB to 4.5 MHz
<b>Differential Gain</b>	< 0.6%
<b>Differential Phase</b>	< 0.7°
<b>SNR</b>	> 75dB

### Miscellaneous

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

### Electrical

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<b>Voltage</b>	+24V to +30V
<b>Power</b>	<8 Watts