

Analogue Video Switcher

FEATURES

- 5 x 1 analogue video with looping inputs.
- May be cascaded to 20 x 1.
- Local or remote control options.
- Universal wire per crosspoint or binary coded remote control.
- Compatible with other 3000 series analogue & digital switchers.

GENERAL

The AVS-3011 analogue video switcher is part of a family of “smart” switchers in Eurocard format that may be linked and configured by the user to cover a wide range of switching and monitoring functions.

On board links allow several switchers to be joined for 10 x 1, 15 x 1 or 20 x 1 operation.

The switcher may be slaved to operate in conjunction with other 3000 series switchers for analogue audio, digital video and RS422 or similar control signals.

This makes the switchers ideally suited to situations where a mixture of analogue and digital signals is present.

The CPS-3050 local control switch panel kit converts the switcher for stand-alone operation.

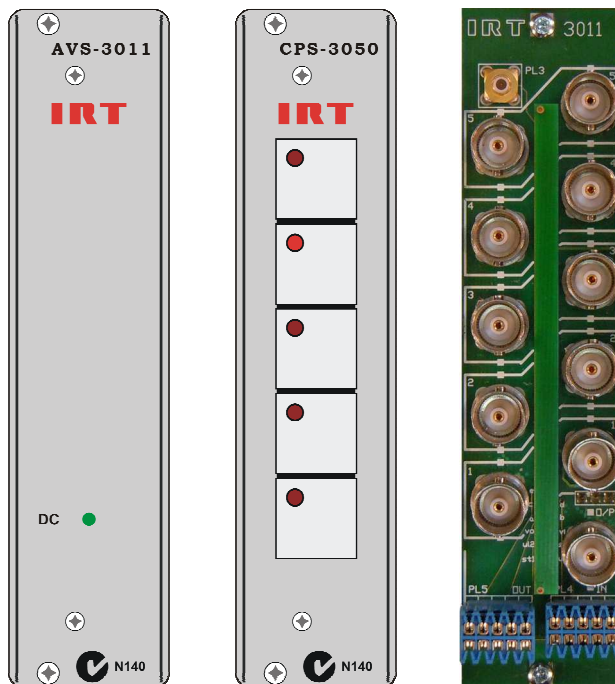
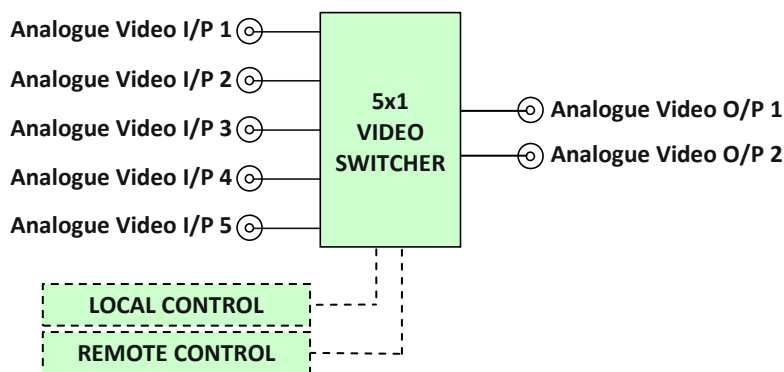
The CPS-9001 provides a 5 button remote control in a panel the same size as the CPS-3050.

The CPS-1050 and 1052, 1 RU remote control panels allow formation of 10 x 1, 15 x 1 or 20 x 1 combinations.

All panels have tally LED's and switch label inserts. Multiple panels may be used with tally to each panel.

A complete video plus stereo audio switcher can be assembled from just two modules and can be accommodated in a single rack unit frame.

BLOCK DIAGRAM AVS-3011 SIGNAL PATH



TECHNICAL SPECIFICATIONS

Video inputs:

Number	5.
Type	DC coupled.
Impedance	Loop through.

Video outputs:

Type	DC coupled.
Number	1.
Impedance	75 Ω .

Control inputs/outputs:

Type	5 bit BCD coded parallel TTL level or individual grounding contacts.
Number	1 input & 1 output.

Performance:

Switching	During vertical interval. Timing may be derived from either the current output signal or synchronised to another switcher.
Gain	Unity (adjustable by internal preset).
Frequency response	± 0.1 dB to 20 MHz. ± 0.5 dB to 30 MHz.
Differential gain at 4.43 MHz	< 0.1%.
Differential phase at 4.43 MHz	< 0.1°.
Crosstalk between inputs at 4.43 MHz	> 65 dB.
Crosstalk between inputs at 10 MHz	> 60 dB.

Power Requirements:

Voltage	28 Vac CT (14-0-14) or ± 16 Vdc.
Power consumption	< 8VA.

Connectors:

Video	BNC.
Control	Plug in 10 pin dual IDC.

Other:

Temperature range	0 - 50° C ambient.
Mechanical	Suitable for mounting in IRT 19" rack chassis with input output and power connections on the rear panel.
Finish	Front panel Rear assembly
	Grey background, black lettering & red IRT logo. Detachable silk-screened PCB with direct mount connectors to Eurocard and external signals.
Dimensions	6 HP x 3 U x 220 mm IRT Eurocard.
Supplied accessories	Rear connector assembly including matching connectors for control inputs & outputs.
Optional accessories	CPS-3050 local control conversion with 5 pushbuttons & tally LED's. CPS-9001 remote control panel with 5 pushbuttons & tally LED's.