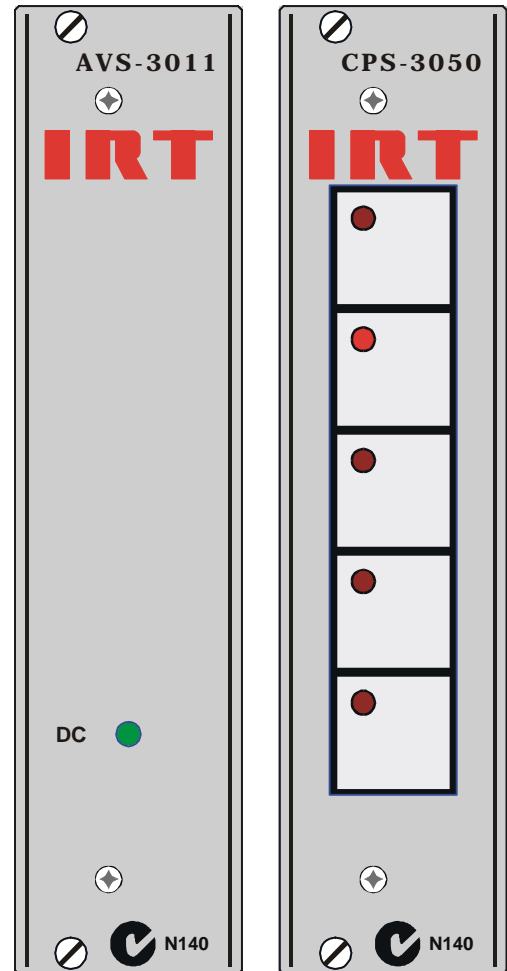


## Analogue Video Switcher Type AVS-3011

### 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.
- May be mounted in same frame as other IRT Eurocards including VDA's, ADA's, detectors and processors.



### 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.

The AVS-3011 supersedes the AVS-3010 and provides all of its predecessors functions together with added static protection and user configurable grounding wire per crosspoint remote control.

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.

# AVS-3011 Technical Specifications

## Video inputs:

Number 5.  
 Type DC coupled.  
 Impedance Loop through.

## Video outputs:

Type DC coupled.  
 Number 1.  
 Impedance 75  $\Omega$ .

## 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  $\pm 0.1$  dB to 20 MHz.  
 $\pm 0.5$  dB to 30 MHz.

Differential gain at 4.43 MHz  $< 0.1\%$ .

Differential phase at 4.43 MHz  $< 0.1^\circ$ .

Crosstalk between inputs at 4.43 MHz  $> 65$  dB.

Crosstalk between inputs at 10 MHz  $> 60$  dB.

Power Requirements 28 Vac CT (14-0-14) or  $\pm 16$  Vdc  
 Power consumption  $< 240$  mA.

**Connectors:** Video BNC.  
 Control Plug in 10 pin dual IDC.

## Other:

Temperature range 0 - 50° C ambient.

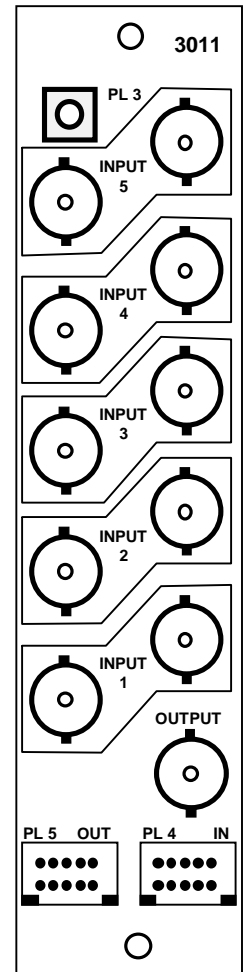
Mechanical Suitable for mounting in IRT 19" rack chassis with input output and power connections on the rear panel.

Finish: Front panel Grey enamel, silk-screened black lettering & red IRT logo.  
 Rear assembly 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.  
 TME-6 module extender card.



Due to our policy of continuing development, these specifications are subject to change without notice.

## Detailed specifications available from:

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<http://www.irtelectronics.com>