

Features:

- 5 x 1 270 Mb/s SDI or ASI.
- Input equalisation to 200 metres.
- Automatic muting of inputs with no signal.
- May be cascaded¹ to 20 x 1.
- Local or remote control options.
- Universal wire per crosspoint or binary coded remote control.
- Optional plug-in SNMP monitoring and control module.
- Compatible with other 3000 & 4000 series digital & analogue switchers.

General:

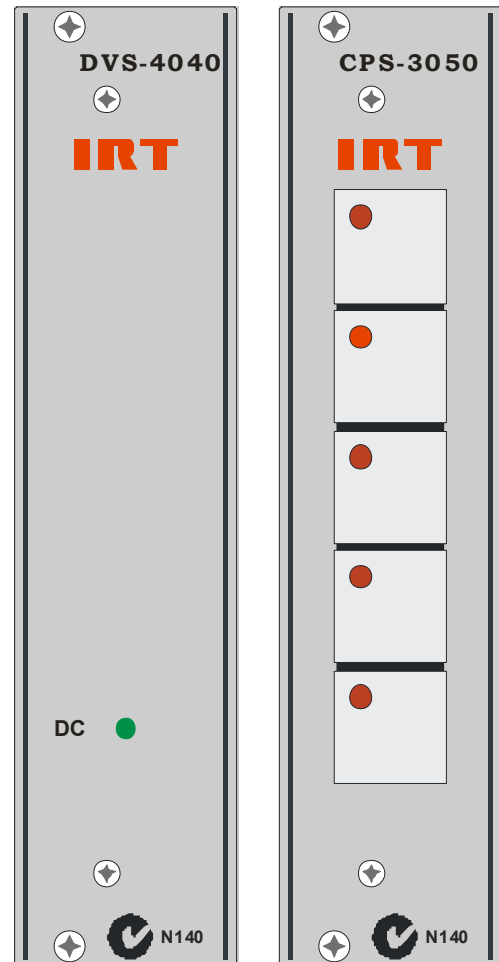
The DVS-4040 digital video switcher is part of a family of "smart" switchers in Eurocard format that may be linked and configured by the user to cover a wide range of switching and monitoring functions.

The DVS-4040 supersedes the DVS-3041 and provides all of its predecessor's functions together with the added option of a plug-in Simple Network Management Protocol (SNMP) monitoring and control module for use with IRT's SNMP system frame.

On board configuration is possible to allow up to four switchers to be joined for up to 20 x 1 operation¹.

The switcher may be slaved to operate in conjunction with similar switchers for analogue & digital video and audio or similar control signals.

This makes the switchers ideally suited to situations where a mixture of analogue and digital signals are 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 1RU remote control panels allow formation of 10 x 1, 15 x 1 or 20 x 1 combinations¹.

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

The DVS-4040 is designed to fit IRT's standard Eurocard frames as well as IRT's 4000 series frame for use with IRT's SNMP system and may be used alongside any other of IRT's analogue or digital Eurocards.

¹ On board component configuration necessary for cascading together for > 5x1 operation.

DVS-4040 Technical Specifications

Signal inputs:

Number 5.
 Type 270 Mb/s SDI or ASI
 Equalisation Automatic to 200 metres on each input.
 Automatic muting of inputs without signal.
 Impedance 75 Ω.

Signal outputs:

Type SDI/ASI
 2 x 800 mV ±10% into 75 Ω.

Control inputs/outputs:

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

Performance:

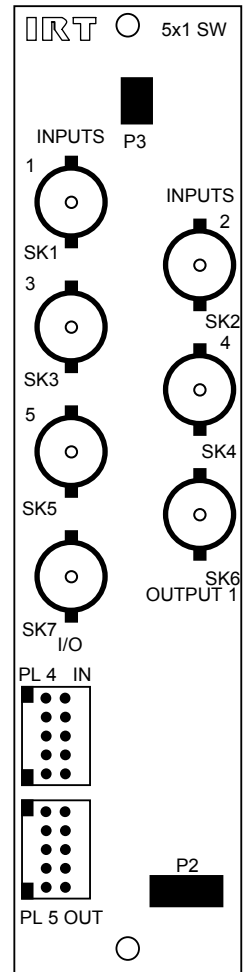
Switching Timing derived from a local monostable signal.
 Return loss >15 dB 5 MHz to 270 MHz.
 DC offset 0 V ±0.5 V.
 Rise time between 0.75 and 1.5 ns.

Power Requirements 28 Vac CT (14-0-14) or ± 16 Vdc.
 Power consumption <125 mA.

Connectors: SDI/ASI BNC.
 Control Plug in 10 pin HE14 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 background, 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.
 CPS-1050 remote control panel with 10 pushbuttons & tally LED's.
 CPS-1052 remote control panel with 20 pushbuttons & tally LED's.
 SMU-4000 plug-in SNMP Management Information Base (MIB) module.



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

Detailed specifications available from:

Manufacturer:
IRT Electronics Pty Ltd
 26 Hotham Parade
 ARTARMON
 N.S.W. 2064 AUSTRALIA
 Phone: +61 2 9439 3744
 Fax: +61 2 9439 7439
 Email: sales@irtelectronics.com

Local Agent:

IRT can be found on the Internet at:
<http://www.irtelectronics.com>