

5x1 HD/SD Digital Video Switcher Type HDS-4500

Features:

- **5 x 1 1.485 Gb/s HD or 270 Mb/s SD switching.**
- **Input equalisation > 100 m for HD, > 250 m for SD.**
- **Local or remote control options.**
- **Universal wire per crosspoint or binary coded remote control.**
- **Optional plug-in SNMP monitoring and control module.**

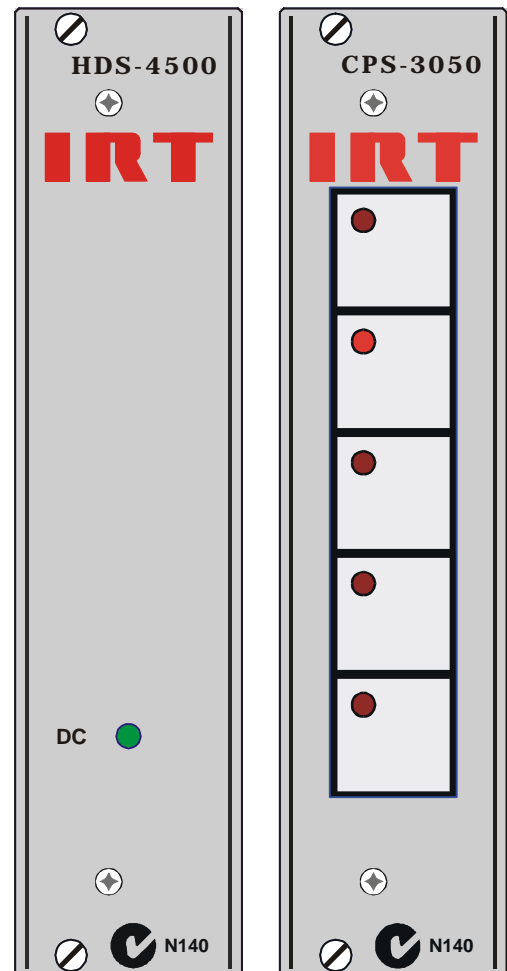
General:

The HDS-4500 HD/SD 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 HDS-4500 will switch up to five 1.485 Gb/s High Definition (HD) or 270 Mb/s Standard Definition (SD) signals, or a combination of both HD and SD to two identical outputs.

The switcher may be slaved to operate in conjunction with similar switchers for analogue & digital video, audio and RS422 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.

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

An optional SNMP (Simple Network Management Protocol) plug in module is available for remote monitoring and switching when used in conjunction with IRT's 4000 series frame fitted with SNMP capability.

The HDS-4500 is designed to fit IRT's 4000 series frame for use with IRT's SNMP system as well as being suitable with IRT's standard 1000 and 3000 series Eurocard frames and may be used alongside any other of IRT's analogue and digital Eurocards.

HDS-4500 Technical Specifications

Signal inputs:

Number 5.
 Type 1.485 Gb/s HD or 270 Mb/s SD.
 Equalisation Automatic, > 100 metres at HD, > 250 metres at SD for Belden 8281 or equivalent cable.

Impedance 75 Ω.

Signal outputs:

Number 2
 Type HD or SD 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 may be derived from a local monostable signal or synchronised to another switcher.

Return loss >15 dB 5 MHz to 1.485 GHz.

DC offset 0 V ± 0.1 V.

Power Requirements 28 Vac CT (14-0-14) or ± 16 Vdc.

Power consumption <6VA.

Connectors: HD/SD 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.

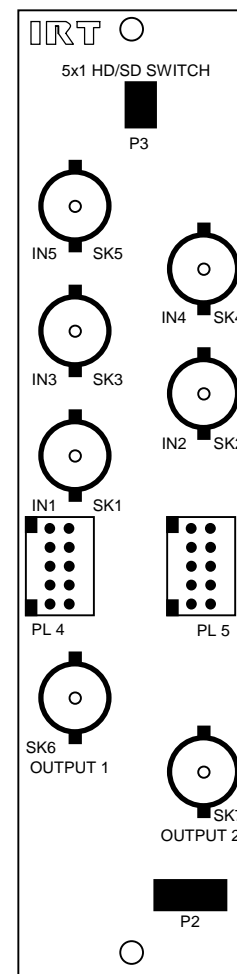
Finish: Front panel Grey background, silk-screened black lettering & red IRT logo.

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.
 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>