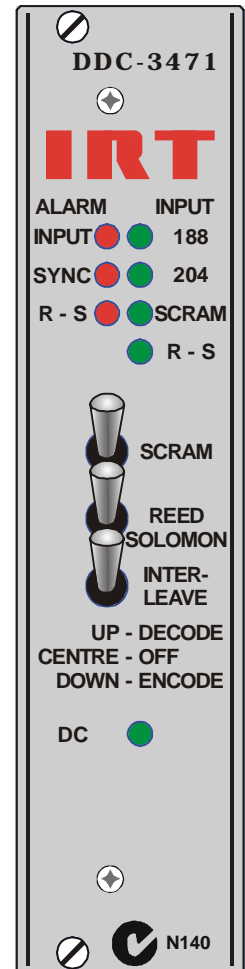
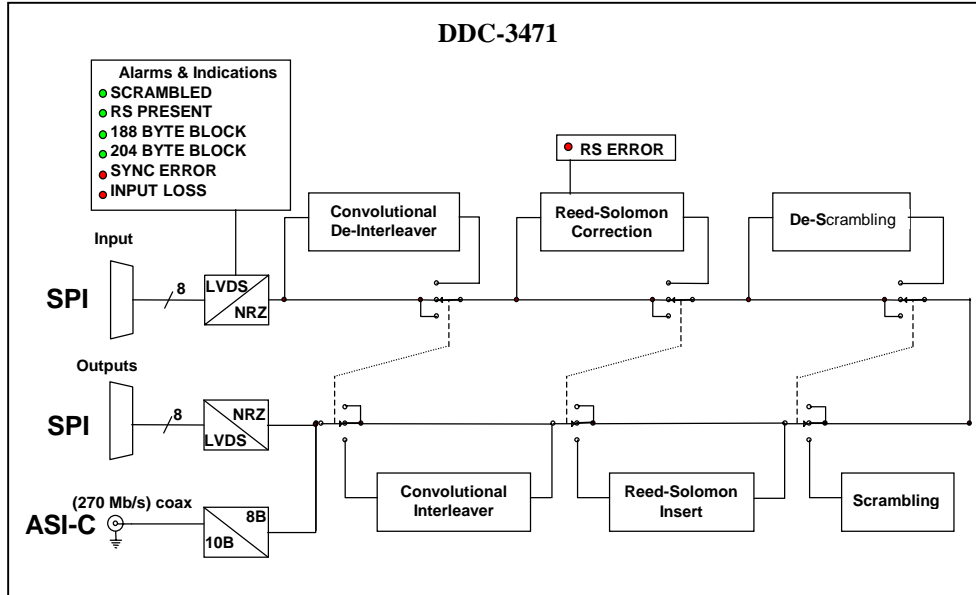


Functional diagram:



Applications:

- Reed Solomon insertion & correction.
- Interleaving or de-interleaving.
- Scrambling or de-scrambling.
- Block length indication and error detection.
- Supplement to test equipment.

General:

The DDC-3471 is part of a family of data transcoders for converting between the commonly used MPEG2 Transport Stream formats in the broadcast industry for video distribution.

The DDC-3471 allows SPI to SPI and SPI to ASI conversion for any rate in the range of 2 Mb/s to 60 Mb/s and also allows Reed Solomon correction and the insertion or removal of interleaving and MPEG2 transport stream scrambling. This makes it an ideal adjunct to test equipment or for matching signal from various sources using different encoding options.

The adapters find particular application in CATV/SMATV Headends where equipment from different manufacturers uses different interfaces or where connection to test equipment is required from various sources.

The DDC-3471 accepts SPI input format only, but provide simultaneous outputs in SPI format and in ASI-C.

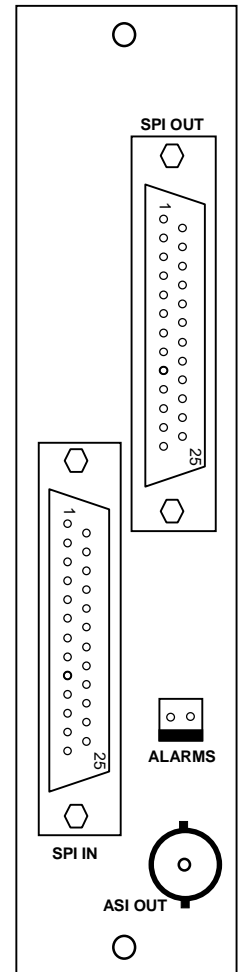
The formats available are:

- | | |
|-----|--|
| SPI | Synchronous Parallel Interface MPEG2 |
| ASI | Asynchronous Serial Interface 270 Mb/s Coaxial cable |

DDC-3471 Technical Specifications

(Preliminary)

Input:	
Type	1 x SPI, 25 pin 'D' female connector.
Rate	2 Mb/s to 60 Mb/s
Outputs:	
Type	1 x SPI, 25 pin 'D' female connector. 1 x ASI-C 75Ω, 800 mVp-p, BNC connector.
Power Requirements	28 Vac CT (14-0-14) or ± 16 Vdc.
Power consumption	<3 VA.
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 connector for alarm output.
Optional accessories	TME-6 module extender card



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

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Email: sales@irtelectronics.com

Local Agent:

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