
Summary

The **XRM-HD-SDI** is an I/O Module which provides the ability to connect to HDTV or SDTV serial data streams. Connectivity to both input and output streams are provided using industry standard 75 Ω BNC connectors. Input and output channels are independently configured as balanced or unbalanced. Automatic cable equalisation is provided for the input stream while the output is buffered by a cable driver which can be configured for either SD or HD operation. Both the cable equaliser and driver are compatible with DVB-ASI, SMPTE 292M, SMPTE 344M and SMPTE 259M specifications.

Features
Applications:

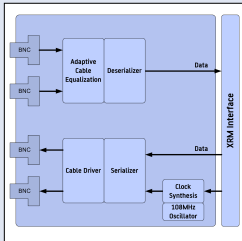
Image processing for HDTV or SDTV

Front Connector I/O:

Dual HDTV/SDTV Serial data stream inputs

Dual HDTV/SDTV Serial data stream outputs

On board 108MHz Crsyal oscillator



Specification

Product Name	XRM-HD-SDI
Front I/O	<p>DIN*/DIN- - Dual HDTV/SDTV Serial data stream inputs impedance=AC Coupled, 75 Ohm termination via 75 Ohm BNCs levels=800mV peak to peak nominal†† When used single-ended mode, the unconnected port should be loaded with a 75 Ohm termination for optimum performance</p> <p>DOU*/DOU- - Dual HDTV/SDTV Serial data stream outputs impedance=AC Coupled, 75 Ohm termination via 75 Ohm BNCs levels=800mV peak to peak nominal ††† Single-ended into 75 Ohm load</p> <p>† When used single-ended mode, the unconnected port should be loaded with a 75 Ohm termination for optimum performance</p> <p>On board clock: - On board 108MHz Crsytal oscillator Provides 27MHz, 36MHz and 54MHz clocks which are used by the receive circuit as a timing reference for clock and data recovery</p>
Software	Example UCF, HDL files and Application software are provided with the board.
Environmental	<p>Temperature: Operating Temperature 0° to +55°C</p> <p>EMC: FCC 47CFR Part 2 EN55022 Equipment Class B</p>

Ordering Codes
XRM-HD-SDI

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