

IQSRT10

HD/SD-SDI 8x2 Router

The IQSRT10 is an eight input router/switcher for HD-SDI 1.5Gbit/s, SD-SDI 270Mbit/s, DVB-ASI and wide-band signals. This module offers a complete routing solution in a tiny package with GPI control, true tallies and 16 HD cross-points. By offering a full eight inputs and two outputs many local HD/SD routing requirements can be solved. The two feeds can be used as two independent destinations. Examples include main and redundant feeds, or main and preset outputs or even as a main and a preview output. The inclusion of true tallies in straight-forward tally per cross-point form enhances the robustness of compact low-cost routing solution over simpler dumb modular solutions.

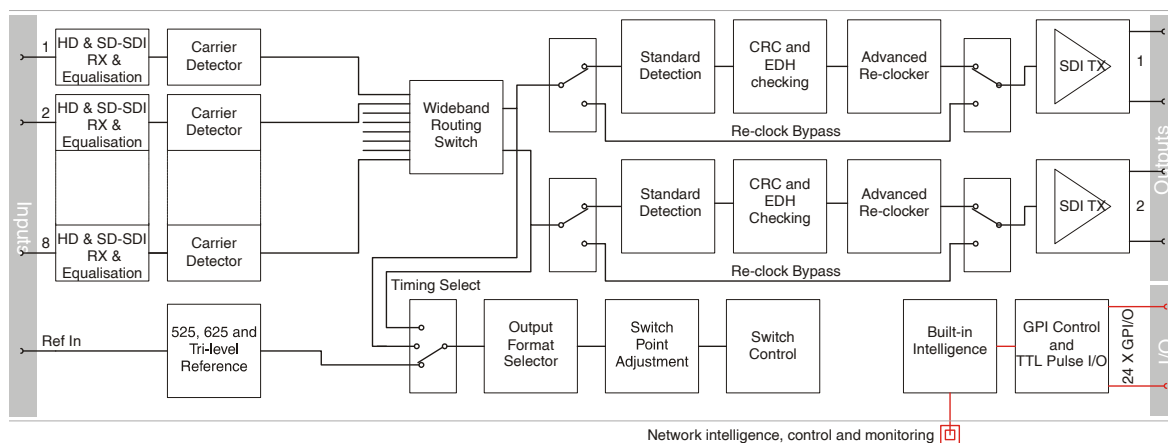
Does this module suit your application?

- HD/SD-SDI router with SMPTE RP168 switching when timed to an external reference
- Standards supported:
 - HD-SDI to SMPTE292M
 - SD-SDI to SMPTE259M-C
 - DVB-ASI
- Can be used to select between inputs of different standards
- Sixteen true tallies, providing feedback for all inputs on both outputs
- Two outputs of each destination
- Choice of SD bi-level or HD tri-level reference switching
- Handles HD-SDI or SD-SDI/ASI sources with re-clocking
- Handles other wide-band signals without re-clocking
- Comprehensive button per cross-point, or multi-destination control from RSPAN router control panel, or from GPIs

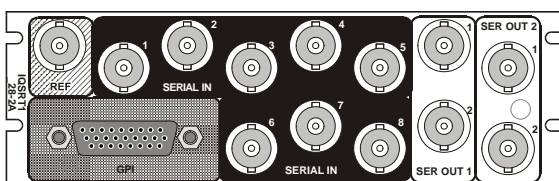
- Optional RS-422 control with separate IQSPI00 module

Why should you choose this module?

- Very easy to control for creating simple solutions with built in GPIs and a choice of other control methods
- Suitable for critical applications such as main feed change-over with true tallies and duplicate outputs in an enclosure with dual redundant PSUs
- Second output for preview, monitoring, redundant path feeds and other purposes
- Can be combined with other IQ Modular routers for mixed-format multi-level routing
- Can be used with HD and SD inputs simultaneously, with one output feeding HD and the other SD, ideal for wrapping around up and down converters



Order codes for IQH3A/1A enclosures



IQSRT1028-2A HD/SD-SDI 8x2 Router. 2 x 2 HD/SD-SDI outputs,

For more details on enclosure types please refer to the Frames/Enclosures section

IQSRT10

HD/SD-SDI 8x2 Router

Inputs & Outputs

Signal Inputs

Inputs.....	8 x Serial Digital Input(s)
Electrical	1.5Gbit/s HD-SDI, SMPTE 292M 270 Mbit/s SDI, SMPTE 259M- C/DVB-ASI
Input Cable Length.....	Up to 140m Belden 1694A @ 1.5 Gbit/s Up to 350m Belden 1694A @ 270 Mbit/s
Analog Reference.....	1 x Analog Reference to SMPTE240/ 274M and RS170A

Connector / Format.....	BNC/ 75ohm panel jack on standard S&W connector panel
Return Loss.....	> -15dB

Signal Outputs

Outputs	2 x 2 Serial Digital Outputs
Electrical	1.5Gbit/s HD-SDI, SMPTE 292M 270 Mbit/s SDI, SMPTE 259M- C/DVB-ASI
Connector / Format.....	BNC/ 75ohm panel jack on standard S&W connector panel
Return Loss.....	> -15dB

Controls

Indicators

Power.....	OK
CPU	OK
Status.....	OK (Green) Warning (Yellow) Error (Red)

GPI Control

24 programmable GPI/Os..	8 Tallies Output 1 8 Tallies Output 2 8 Router Selection
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RollCall Features

Router Control	Switching control of input to output channels
Router Configuration	Displays current router channel allocation

Channel Renaming	Labeling of all input channels
User Memories	16 x Save / Recall / Rename
Logging	Input Status (1-8) CRC/EDH Error Input Standard Ref Status Output 1/2 standard
RollTrack Controls	On/Off, Index, Source, Address, Command, Status, Sending.
RollTrack Outputs	Input present - 1 to 8 Output 1 Tallies Output 2 Tallies Reference OK Input Loss - 1 to 8 Unused

Specifications

Inputs

Reference Source.....	External – HD Tri-Level / SD Bi- level / Output Video syncs
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Power Consumption

Module Power Consumption	10.5 W
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