

IQSDA10/11

Reclocking SD-SDI Distribution Amplifier

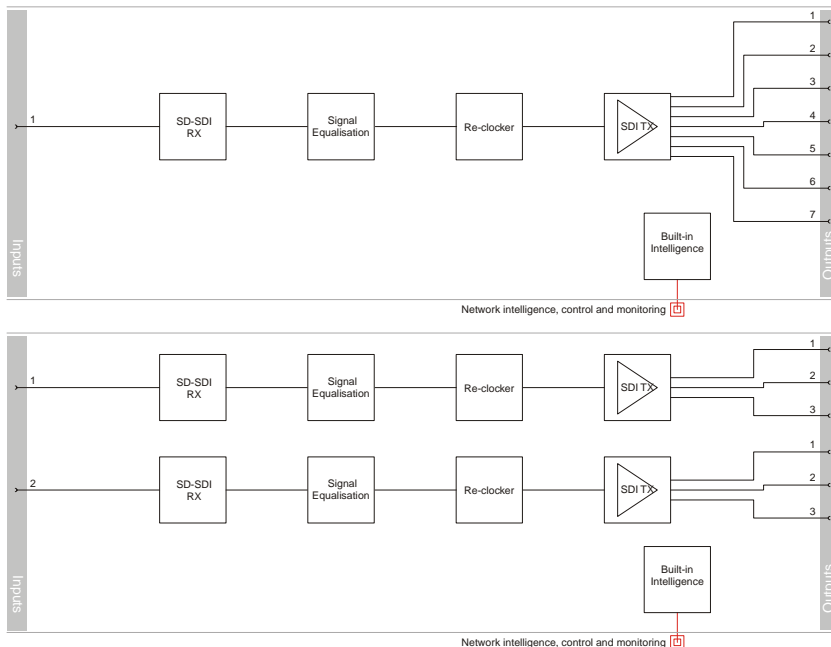
The IQSDA10/11 provides up to fifteen re-clocked equalized outputs operating with 270 Mbit/s SDI signals, or seven non-inverting outputs suitable for 270 Mbit/s DVB-ASI signals. Dual channel version available with three outputs per input.

Does this module suit your application?

- Performs equalization and reclocking of serial 4:2:2 and DVB-ASI signals
- Provides up to 15 buffered outputs for SDI signals and 7 for DVB-ASI signals
- Input equalizer and reclocking allows for use as a line receiver/distribution amplifier
- Input signal loss indicator
- Single and dual channel versions available
- RollCall remote control and monitoring

Why should you choose this module?

- Reclocking distribution amplifier ensures there are no jitter problems in the system
- Dual channel version ideal for monitoring or space constrained applications
- Input equalization ensure maximum cable lengths can be used
- Can be used in either serial 4:2:2 or DVB-ASI systems
- Fan-out can be either 7 or 15, depending on the chosen module version
- RollCall remote control and monitoring



Inputs & Outputs

Signal Inputs

Standards SMPTE 259M-C-1997, DVB-ASI
 Connector/Format BNC/75ohm panel jack on standard S&W connector panel

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 Connector / Format BNC/75ohm panel jack on standard S&W connector panel

Note: Do not cascade more than 5 modules when using relay bypass rear panel version

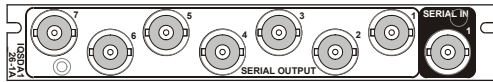
Signal Outputs

Serial Digital IQSDA1001-1A: 7 SDI/DVB-ASI
 IQSDA1006-2A: 15 SDI (1-7 DVB-ASI compatible)
 IQSDA1005-2A: 11 SDI (1-5 DVB-ASI compatible), relay bypass on output 4
 IQSDA1000-1: 5 SDI/DVB-ASI
 IQSDA1002-2: 11 SDI (1-5 DVB-ASI compatible)
 IQSDA1101-1A: 3 SDI/DVB-ASI per input

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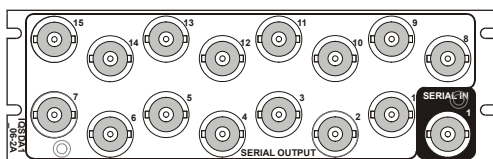
Order codes for IQH3A/1A enclosures



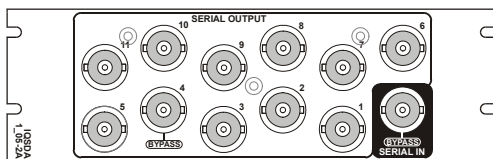
IQSDA1001-1A Reclocking SDI/DVB-ASI DA with RollCall control and monitoring. 1 SDI/DVB-ASI input, 7 SDI/DVB-ASI outputs



IQSDA1101-1A Reclocking SDI DA with RollCall control and monitoring. 2 SDI/DVB-ASI inputs, 3 SDI/DVB-ASI outputs per input

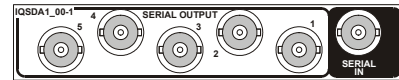


IQSDA1006-2A Reclocking SDI DA with RollCall control and monitoring. 1 SDI input, 15 SDI outputs (outputs 1–7 DVB-ASI compatible).

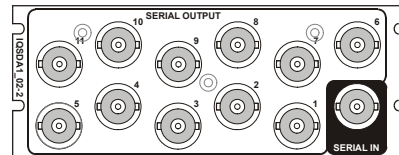


IQSDA1005-2A Reclocking SDI DA with RollCall control and monitoring. 1 SDI input, 10 SDI outputs, relay bypass for input to output 4.

Order codes for other enclosures



IQSDA1000-1 Reclocking SDI/DVB-ASI DA with RollCall control and monitoring. 1 SDI/DVB-ASI input, 5 SDI/DVB-ASI outputs.



IQSDA1002-2 Reclocking SDI DA with RollCall control and monitoring. 1 SDI input, 11 SDI outputs (outputs 1–5 DVB-ASI compatible).

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

Card Edge & RollCall Controls

Functions Available via RollCall Only

Input Status.....	Present, Loss
Logging.....	Input Status
RollTrack Controls.....	On/Off, Index, Source, Address, Command, Status, Sending.
RollTrack Outputs (1-16).....	Unused Input OK Input Lost

Indicators

Status.....	OK (Green) Warning (Yellow) Error (Red)
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Specifications

Input Return Loss.....	better than 15 dB to 270 MHz
Maximum Input cable Length	220 m (up to 150m combined input and output cable length, relay bypass version)
Output Return Loss.....	better than 15 dB to 270 MHz
Insertion Delay.....	20 ns nominal
SDI Output Level.....	800 mV nominal

Power Consumption

Module Power Consumption	IQSDA10 – 3 W IQSDA10 relay bypass – 3.25 W IQSDA11 – 4 W
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