

IQSDA10

Reclocking SD-SDI Distribution Amplifier

Performs equalization and re-clocking of serial 4:2:2 and DVB-ASI signals.

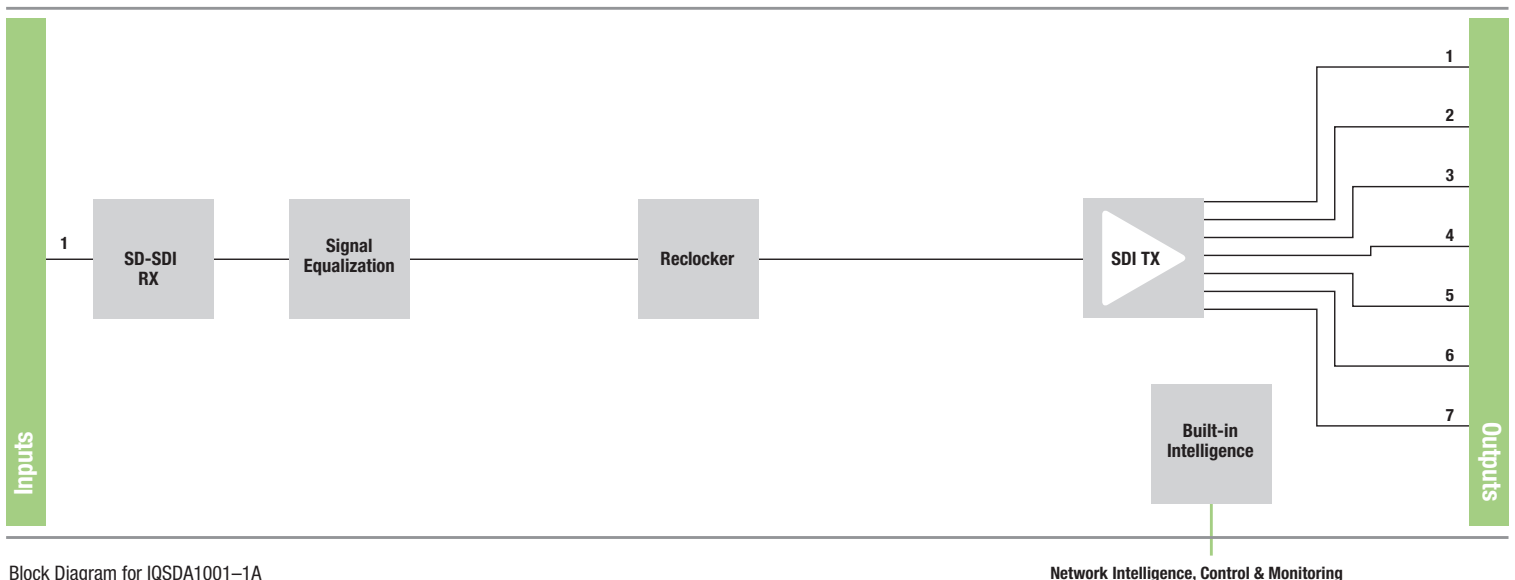
The IQSDA10 from Grass Valley provides up seven reclocked noninverting outputs suitable for 270 Mb/s DVB-ASI signals.

Why should you choose this module?

- Reclocking distribution amplifier ensures there are no jitter problems in the system
- Input equalization ensure maximum cable lengths can be used
- Can be used in either serial 4:2:2 or DVB-ASI systems
- Full GV Orbit compatibility provides an all-inclusive remote configuration, control and monitoring solution
- Comprehensive SNMP support allows easy integration with third-party Network Management Systems

KEY FEATURES

- Performs equalization and re-clocking of serial 4:2:2 and DVB-ASI signals
- Provides up to seven buffered outputs for SDI signals and DVB-ASI signals
- Input equalizer and reclocking allows for use as a line receiver/distribution amplifier
- Input signal loss indicator
- GV Orbit control and monitoring compatible



Block Diagram for IQSDA1001-1A

SPECIFICATIONS

Inputs and Outputs

Signal Inputs

Standards: SMPTE ST 259-C-1997, DVB-ASI

Connector/format BNC/75Ω panel jack on standard GV connector panel

Signal Outputs

Serial digital: 7 SDI/DVB-ASI

Standards: SMPTE ST 259-C-1997, DVB-ASI

Connector/format: BNC/75Ω panel jack on standard GV connector panel

Card Edge and Remote Controls

Remote Control Functions

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)

General Specifications

Input return loss: Better than 15 dB to 270 MHz

Maximum input cable length: 220m

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:

3.5 W (A Frames)

3 PR (B Frames)

ORDERING

IQSDA1001-1A

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

For more details on enclosure types please refer to the IQ Modular Enclosures datasheet.

