

**HawkEye**

**IQSDA10**  
1x7 Distribution amplifier  
for ASI transport streams  
and SD-SDI



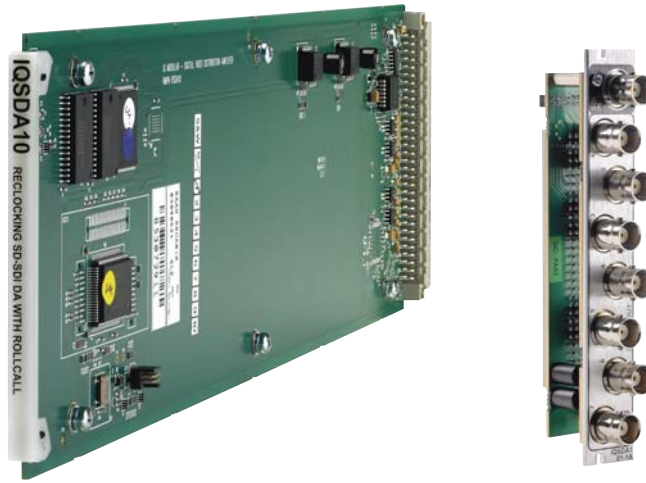
**INNOVATE**

**COLLABORATE**

**DELIVER**



The IQSDA10 Distribution Amplifier provides seven outputs for DVB ASI signals. It can also be used for 270 Mbit/s SDI signals. The module is fully integrated into the Snell IQ Modular range and the RollCall control and monitoring system. It can be used with the Hawkeye IQASI82 and IQAIS25 ASI modules.



#### Features:

- Single width module for use with 3RU (IQH3B) or 1RU (IQH1A) enclosures
- Performs equalization and re clocking of DVB ASI and serial 4:2:2 signals
- Provides 7 buffered outputs for DVB-ASI or SDI signals
- Input signal loss indicator
- RollCall remote control and monitoring
- SNMP MIB

The IQSDA10 Distribution Amplifier module provides seven non-inverting, re-clocked outputs for ASI signals. Alternatively, it can provide seven re-clocked equalized outputs for SDI signals. It is compliant to the EN 50083-9 specification for ASI and supports both DVB and ATSC transport streams. It is also compliant to SMPTE 259M for 10-bit serial digital interface operating at 270Mb/s.

#### Technical specifications:

##### ASI (or SDI) input

Input connector: 1 input – BNC, 75 Ohms  
Input return loss: Better than -15dB to 270MHz

##### ASI (or SDI) outputs

Output connector: 7 off outputs – BNC, 75 Ohms, re clocked  
Output return loss: Better than -15dB to 270MHz  
Signal output level: 800mV  $\pm$ 10%  
Insertion delay: < 20ns nominal

##### Cable length

Max input cable length: >220m (PSF1/2 or equivalent cable)

##### Physical

Dimensions: 1 slot of a 3RU or 1RU frame  
IQH1A Frame: 1RU, 4 slots, single or dual PSU  
IQH3B Frame: 3RU, 16 slots, single or dual PSU

##### Environment

Operating temperature: 0 - 40°C

#### dB Broadcast Ltd

Kestrel House, Sedgeway Business Park, Witchford, Ely, Cambs CB6 2HY United Kingdom  
T +44 (0)1353 661117 E sales@dbbroadcast.co.uk W www.dbbroadcast.co.uk

