IQASI25
2x5 ASI monitor and switched distribution amplifier

*Hawk*eye

dB BROADCAST

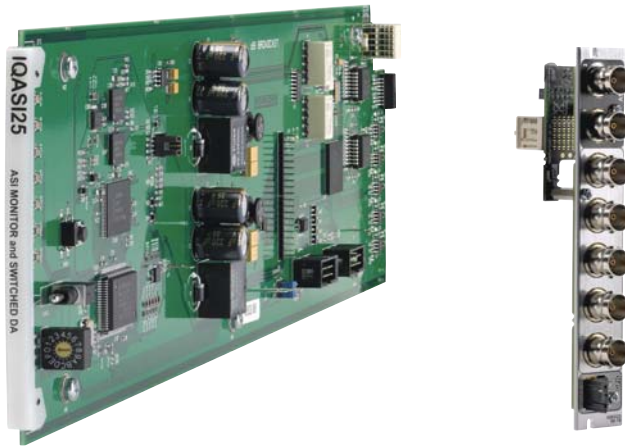INNOVATE | COLLABORATE | DELIVER

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COLLABORATE

DELIVER

The IQASI25 is a cost effective ASI-switched Distribution Amplifier that continuously monitors two MPEG-2 DVB ASI transport streams (TS) and routes the preferred input to the 5 identical outputs. It monitors various critical parameters within the transport stream and their status will effect switching and alarms.

Features:

- Monitors two ASI inputs
  - Loss of carrier signal
  - Loss of TS sync
  - Loss of PAT
- Automatic input switching on error
  - Designed to minimise switching and prevent unnecessary disruption of the TS.
  - Remains on an input until that input fails. If the alternate input has failed, no switch occurs.
  - If both inputs become good, the switch remains static on the selected input.

- Manual switch to force the module to Input 1 or 2
- 2 configurable GPIO ports (2 in or 2 out or one of each)
- LED indicators to show if Input 1 absent, input 2 absent and if outputs are derived from input 1 or input 2
- Control and errors are accessible over the RollCall remote control network
- Housed within a 3RU frame IQH3B or 1RU frame IQH1A

The module is fully integrated into the Snell IQ Modular range and the RollCall system. Automatic operation is configurable by the user and the switch may also be externally controlled via the RollCall control and monitoring system or external GPI's. It is compliant to the ETSI TR 101 290 specification for Digital Video Broadcasting and supports both DVB and ATSC transport streams in Packet, Byte & Burst modes.

Technical specifications:

ASI inputs

Input connector:	2 off inputs – BNC (75 Ohms, non-equalised transformer coupled)
Input return loss:	Better than -15dB to 270MHz

ASI output

Output connector:	5 off main outputs (ASI OUT A and B) – BNC (75 Ohms, re-clocked, non-transformer coupled
Output return loss:	Better than -15dB to 270MHz
Output jitter:	< 0.2UI

GPIO

Connector:	3 pin, closed contact, 2 in or 2 out or one of each

External control output

Connector:	8 off – Screw terminals

Cable length

Max cable length:	>100m (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 - 40ºC

As a result of continual product development, specifications are subject to change without notice.