

B083C ASI TS Table Monitor Module with 2x2 Switch



The B083C from dB Broadcast continuously monitors two MPEG-2 DVB ASI Transport streams (TS) and can automatically switch them to the two pairs of outputs. The two inputs are typically main and reserve ASI TS streams and the on-board switch provides immediate switching. The B083C incorporates all the functionality of the B083M section table monitor module.

The module is user configurable using dB Broadcast's S080 windows configuration software or a command line interface. This enables the user to precisely define the conditions that initiate switching and the external alarms. This includes:

- Monitor up to 32 section tables that can each include: PID with table identifier, table identifier extension, sequential section number, version number, current/next status and upper distance.
- User defined maximum and minimum data rates for each transport stream
- Detect catastrophic failures such as may be caused by no TS, loss of synchronisation or low signal level.
- Make basic integrity checks such as monitoring PAT.

The module supports MPEG PSI, DVB SI, ATSC PSIP and user defined tables.

The internal 2x2 switch enables the module to automatically route the appropriate input stream to output A and B on the basis of the detected results. Automatic operation is configurable by the user but the switch may also be externally controlled via the front panel, external GPI's, DART or one of the two serial ports.

The status of the two input streams and of the switch is indicated on the front panel, the serial ports, DART interface and the user configurable general-purpose outputs.

The 2x2 switch has various user configurable modes including:

Biased - switches the output away from a failed input and back again when the preferred input comes good again. The output can be biased to input 1 or input 2.

Unbiased - switches the output away from a failed input and the output stays on this new input indefinitely whilst it remains healthy. This mode minimises the number of switches.

Off - No auto switching is performed on that output.

The B083C is part of the Hawkeye family and can be housed in a 1RU frame or fourteen modules in a 3RU frame including redundant PSU. The module can be upgraded to the B083S with near-seamless switching.



System integration from studio through to transmission

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



dB Broadcast Ltd

Kestrel House, Sedgeway Business Park, Witchford, Ely, Cambs, CB6 2HY United Kingdom

T +44 (0)1353 661117 F +44 (0)1353 665617 E sales@dbbroadcast.co.uk W www.dbbroadcast.co.uk