

B083S ASI TS Table Monitor Module with Near-Seamless Switch



The B083S from dB Broadcast, continuously monitors two MPEG-2 DVB ASI Transport streams (TS). It includes all the functionality of the B083M table section monitor module, but also incorporates a 2x2 switch that can be set for near-seamless switching, a technology developed by dB Broadcast. The two inputs are typically main and reserve signals and the B083S can automatically switch any of the inputs to the two pairs of outputs.

Near-seamless switching preserves the output stream's TS packet structure during a switch and therefore significantly reduces the level of disruption at the output. The more closely related the information in the two streams, the smoother is the resultant switching operation. For identical streams, a perfectly seamless switch is created. By preventing an unnecessary TS sync loss in downstream equipment, the usual picture freeze (up to 30s in length depending on the system) is transformed into a mere glitch, if it is visible to the user at all.

It is possible that some legacy downstream equipment may need a sync loss to occur in order to cope with a radical transition, such as when none of the PSI information is the same between the two streams. For such cases, the B083S can be configured for non-seamless switching.

Both the monitor and alarms are user configurable using dB Broadcast's S080 windows configuration software or a command line interface. 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 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 2 serial ports. In all cases, switching between good signals is near-seamless.



System integration from studio through to transmission

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



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