DT-2

SD-SDI video index and widescreen signalling module

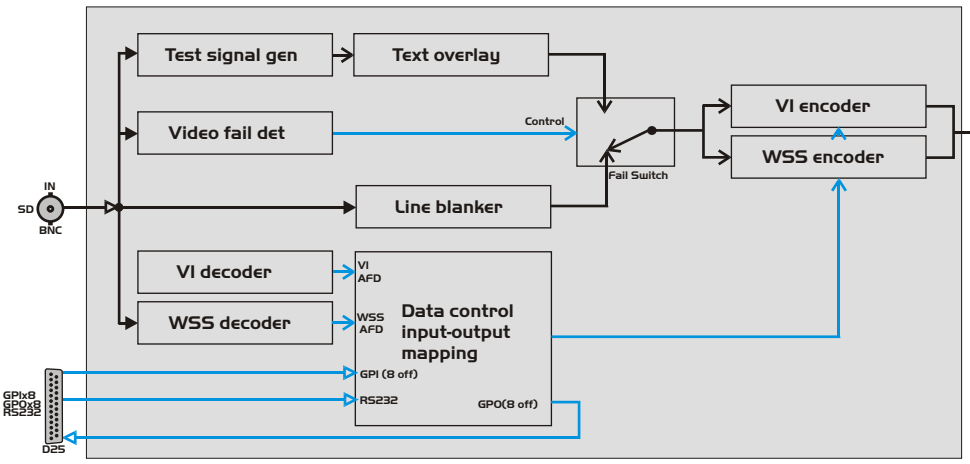
eyeheight

02/10

Overview

The DT-2 is a Wide Screen Signalling (WSS, line 23) and Video Index (VI, line 11) inserter and extractor. It has been designed to be highly flexible enabling complex setups and data mappings using GPI or RS232. Flexible VI-VI, WSS-WSS, VI-WSS or WSS-VI transcoding is also catered for. A PC "DT2 setup" application enables visual setup and complex coding tables to be created, downloaded and stored.

Block diagram detail



IN OUT GPI-GPO

Key features

Description

- WSS decoding, ITU and ETSI standards (ITU-R BT.1119-2, ETSI 294)
- VI decoding class 1.1 AFD/AR.(SMPTE 186)
- WSS insertion, ITU and ETSI standards
- VI insertion, class 1.1 AFD/AR. Also class 1.2/1.3 and class 2 and 3 insertion of fixed user data.

Features

- Highly configurable WSS/VI insertion driven by GPI/RS232/VI/WSS using user programmable tables enabling VI-VI, WSS-WSS, VI-WSS and WSS-VI recoding.
- User friendly "DT2 setup" application for setting, storing and uploading parameters and tables.
- Failure switch with user selectable test signal and text ident.
- Bypass function enabled by specific input events such as a GPI.
- Highly configurable GP(O)utputs driven by VI or WSS inputs.
- Flexible line blanking options including WSS 1/2 line blanking.
- Mechanical relay bypass option
- Web based Java soft panel option (Not available on MX-9 chassis).
- System is designed for 625 line standard.

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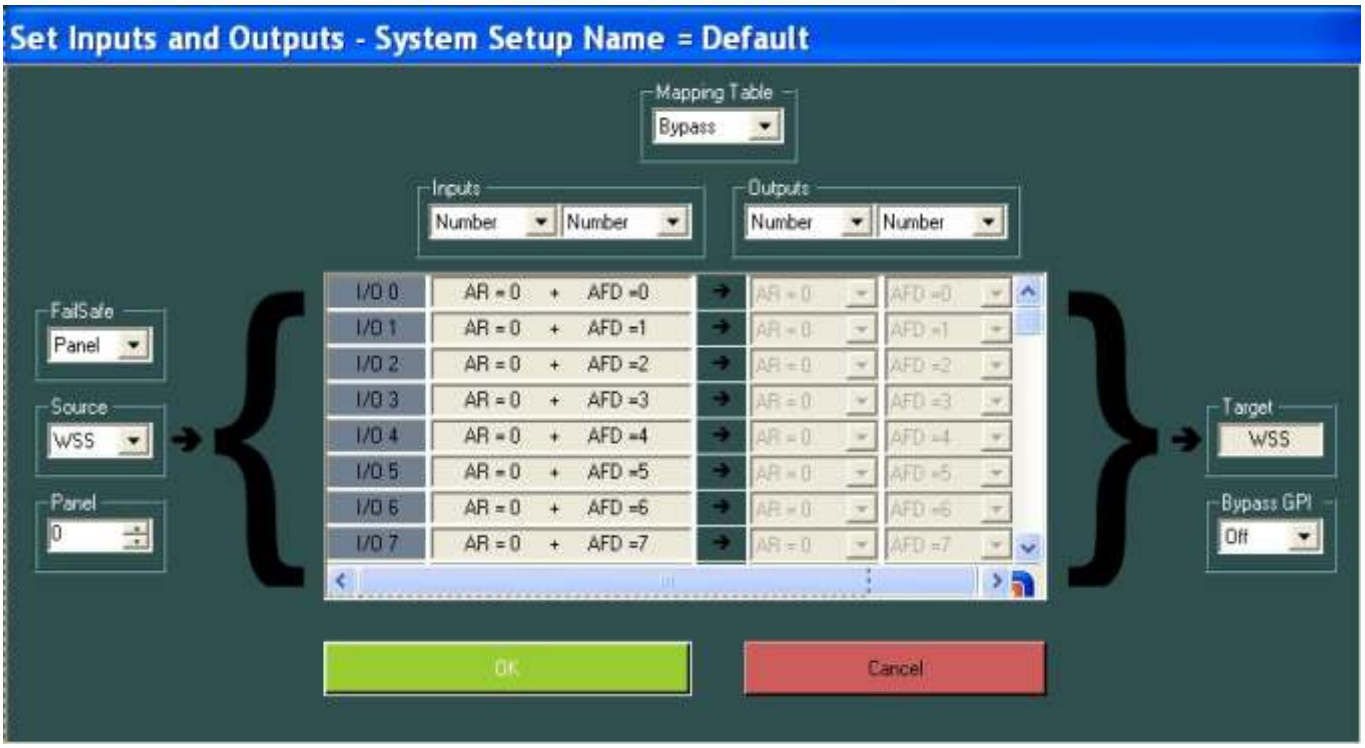
The DT-2 setup application

The DT2 Setup application provides comprehensive setup of a DT-2 with the security of being able to save your setup information on the PC. This system connects using the RS232/422 port on the etherbox FB-9E chassis and caters for every setup parameter within the DT-2 in a simple and intuitive way.



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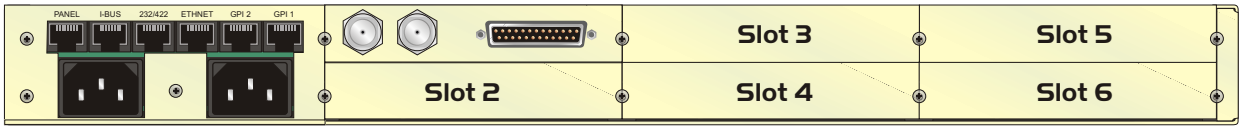
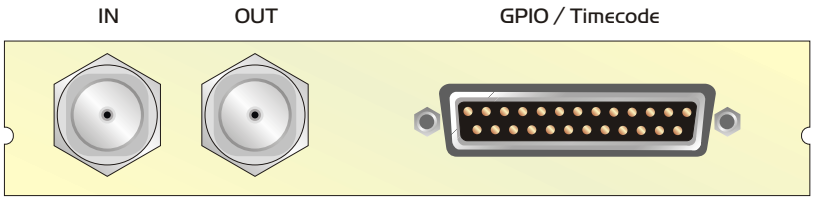
Chassis view



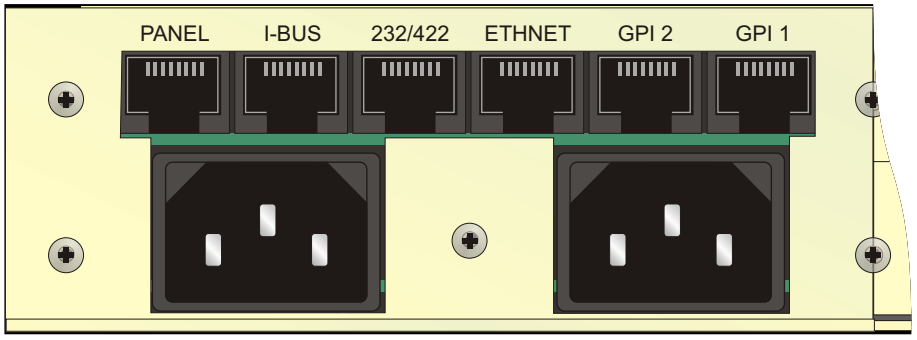
The DT-2 is plug in module for the etherbox FB-9E 1RU chassis. The module takes ONE slot enabling a density of 6 units per 1RU.

Module connections



1xMain input
1xMain output
1x RS232 automation control.
8xTally, 4 relay, 4 open collector.
8x GPI.

Chassis connections



The card connections are supplemented by the FB-9E chassis connections which provides further GPI inputs and outputs, an Ethernet connection which can be used for browser based chassis monitoring and optional Java control applications and an RS-232/422 automation interface. (Not available on the MX-9 chassis)

Ordering information

Order code: DT-2-R-J

R mechanical relay bypass option. (Omit the R if it is not required)
J Java soft panel ((Omit the J if it is not required). (Not available for the MX-9 chassis)
Example:
DT-2R is a DT-2 module with the mechanical relay bypass fitted.

RoHS Compliant