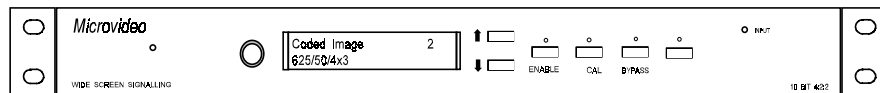


Control Signal Inserter

- GPI input
- LCD Display
- RS232 / 422



Microvideo are able to offer systems for sending and decoding basic control data within a digital video signal. These systems utilise the Vertical Blanking Interval (VBI) within the video signal. Data is sent as an analogue signal similar to (but not the same as) a widescreen signalling waveform. This has the advantage of being able to pass through existing analogue video links and is more likely to survive transmission network systems. Error detection check sums or parity bits are also sent in order to check the validity of recieved data. Data sent can be programmed by GPI contact closure, front panel control or RS232 / RS422 input.

This data sheet describes the Control Signal Inserter. The decoder has part number CSI-DEC, the specifications of this are available on a seperate data sheet.

Specifications

Video Input: SDV(270Mb/s) as per SMPTE259M.

Video Output: 2 x SDV(270Mb/s) - Program and AUX.
n.b: Program and AUX outputs are the same, but a power-fail bypass relay connects SDV In to only the Program output when no power is applied.

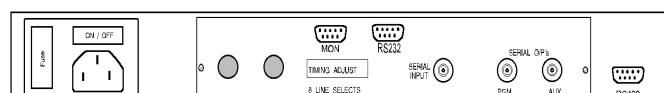
Control Data Inputs: 4 GPI inputs (open collector, active on connection to ground) on 9 way D-type.
Front panel control.
RS232 or RS422 input on 9-way D-type.

Front Panel Controls: GPI input enable/disable (when disabled GPI inputs are not driven).
Test mode (Allows GPI inputs to be set from front panel).
Bypass (activates relay bypass).

Physical: 1U rack mounting frame with integral PSU.

Product Code: INS-CSI - VBI control signal inserter for SDV (270Mb/s), 4 x GPI in.

Rear View of Frame:



Related Products: CSI-DEC - VBI control signal decoder for SDV (270Mb/s), 4 x GPI out.