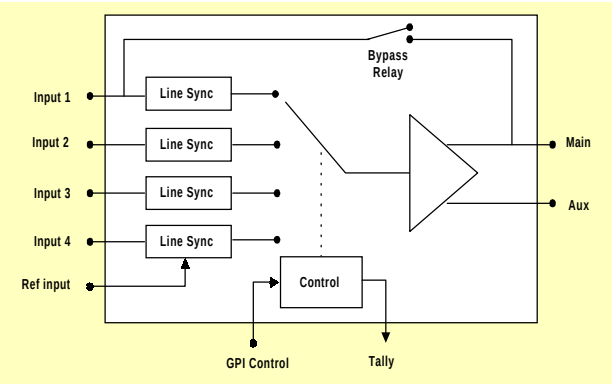
Microvideo

ESW41S

4x1 Synchronised Video Switch

- **Switches Serial Digital Video**
- **Clean switching action**
- **Automatic switching on signal loss**
- **GPI Interface for external control**
- **Power fail bypass relay**
- **2 cards in a 1U frame**



General:

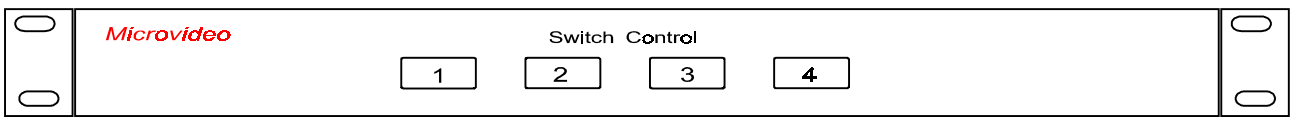
The ESW41S is a 4 x 1 synchronous switch that ensures that a clean switch is achieved when sources are mistimed. Input line synchronisers allow up to 2 lines (firmware dependant) difference between the inputs. The reference input is used to provide a stable reference to which all inputs are aligned to, this can be between 0.5 lines delayed to 3.5 lines advanced from input A.
When set to switch automatically on signal loss it is assumed that input 1 is the main program path and will switch to the next available input after 4 blank frames. Alternatively, the ESW41S can be set to switch to black on loss of input. It will automatically switch back to the main program path after 2 good frames have been detected on input 1. The switching action can also be controlled by GPI contact closure or RS232.
The maximum delay through the card for input 1 is one line, if the timing of inputs 1-4 and the reference are close this can be reduced by on board links. Ideally the reference input timing should be slightly earlier than inputs 1-4, for this reason a Hex switch is provided to advance the reference timing by up to 3.5 lines to assist in setting up the ESW41S.

Specifications:

Inputs:	4	SDV.
	1	Analogue video reference.
Outputs:	1	SDV Program. Power fail bypass connects input 1 to Program out.
	1	SDV Aux.
Control:	5	GPI inputs (4 input select & relay bypass).
	4	Tally outputs.
	1	RS232.

User Adjustments:
Timing adjustment/setup.
Input select.
525/625 select.
Reference timing adjustment.
Switch to Black.
Relay bypass, latching push button.
CPU input select enable.

Ordering Information:	**ESW41S**	4x1 synchronised SDV switch in 1U frame.
	-FP	Optional front panel control. (pictured below)



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