

## “Little JEM” datasheet

SDI Video to RGB analogue and CVBS converter all in a SCART plug.



### Technical Details

Input - SDI to ITU-R BT601/656 at 270Mb/s (PAL)  
via BNC socket

Output - RGB and composite PAL (CVBS)  
(Y, R-Y, B-Y or NTSC versions to order)

Power - 5Vdc, 500mA via 2.5mm socket

SCART signalling - pin #8 set to +5V to assert SCART  
input connection status;  
- pin #16 set to +5V via 75 ohms to  
allow auto switching of receiving equipment to RGB  
mode (if supported)

### Description

The little JEM allows the highest available quality of picture to be displayed on low cost monitors and TV's equipped with a 21 pin SCART socket by converting broadcast SDI signals to RGB. This usually bypasses the signal processing stages of TV's and directly drives the video amplifiers, resulting in the highest fidelity images possible. The JEM's outputs are configured as current sources to minimise crosstalk and require a terminating load of 75 ohms (as per normal SCART specification).

Applications might include:

- low cost confidence monitoring in professional or semi-professional video editing situations;
- provision of general public or audience displays in TV studios, shopping malls or sports stadiums where a SDI feed is available;
- low cost, multi-display video walls.

### Accessories

JEM PSU IL – In Line Power supply, with IEC mains inlet (power cable not supplied)