

“RGB MEJ” datasheet

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



Technical Details

Input - RGB or composite PAL/NTSC (CVBS) (auto-sensed) via SCART

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

Power - 5Vdc, 500mA via 2.5mm socket

SCART signalling – MEJ auto selects to RGB I/P mode if pin #16 presents +5V via 75 ohms

Description

The “little MEJ” performs the reverse function of the JEM, taking a RGB or composite PAL (or NTSC) signal and converting it to an SDI data stream in conformance to ITU-R BT601/656. +5V signalling from the originating equipment on pin #16 switches the MEJ to RGB mode, whilst auto sensing for PAL or NTSC is functional within the device itself. It contains a 10 bit digital RGB matrix for encoding RGB into the SDI data stream, offering significant picture quality advantages over the traditional method of matrixing the RGB to component in the analogue domain.

Typical applications might include:

- Conversion to SDI from SCART sockets present in TV, monitors, VCR's or DVD players.
- By using readily available RCA (phono) to SCART converters, component video from camcorders can also be converted to SDI for ingest into external recording, editing, or monitoring systems.

Accessories

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