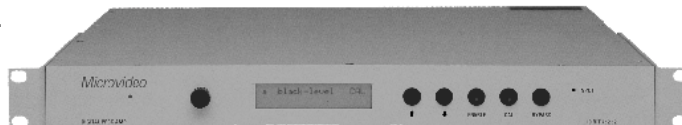


# Microvideo

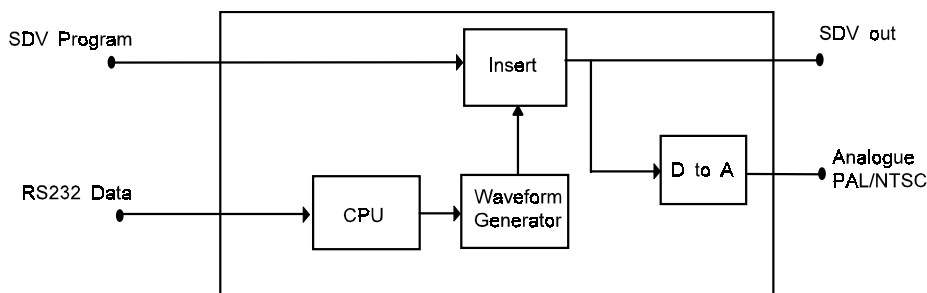
## CLOSED CAPTION ENCODER

- Serial Digital Video interface.
- Compatible with existing closed captioning software.
- Fully digital 10 bit data path for video.
- Transparent to active video and embedded data.
- 525 (NTSC) or 625 (PAL) operation.
- Encoding of up to five languages simultaneously

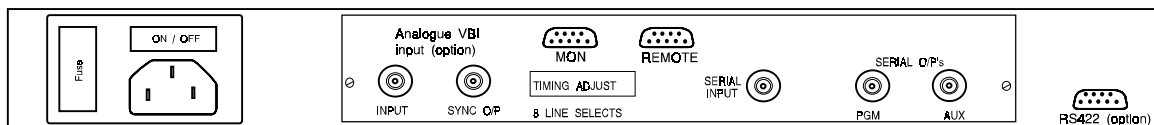


Closed Caption Encoding is used to provide subtitles for the hard of hearing on home videos and for television in the USA. The Microvideo Closed Caption Encoder provides a means of inserting the data for the captions directly into a serial (270Mb/s) D1 digital video signal. Caption text and control data are sent to the Encoder via an RS232 or RS422 link from a computer. The closed caption waveform is then generated internally and inserted into the serial stream on the correct lines. Up to 5 lines per field (e.g. 18 to 22) may be inserted simultaneously. This unique feature allows the Microvideo encoder to offer the ability to transmit subtitles in up to 5 different languages.

The Encoder is compatible with existing closed caption software such as that from EEG. This enables it to be easily added to an existing analogue closed captioning system. It will encode for both 625 and 525 standards allowing captions for either NTSC or PAL to be inserted.



- Input** Serial Digital Video (270Mb/s), D1 as per SMPTE 259M
- Output** SDV (270Mb/s) on the Program (with power fail by-pass) and 2nd Auxiliary out  
Analogue Composite PAL / NTSC for monitoring encoded output.
- Control** RS232 data link for connection to PC running closed caption software.
- Physical** 1U rack mounting unit, 420mm deep  
240/220V or 110V operation, selectable by internal link.



**Ordering Information :** INS-CC Caption Encoder for SDV with monitor output in 1U frame.