162162

G00002

SYSTEM AND METHOD FOR COMBINING MULTIPLE COMPOSITE VIDEO SIGNALS

ABSTRACT

A system and method for combining multiple composite video signals into a single output data stream synchronised with an output device. The system includes means (15) for decoding incoming composite video signals into their constituent components, memory means (80) for storing signals temporarily to synchronise such signals with the output device, and a multiplexor (140) for combining the synchronised signals for application to the output device. An analogue to digital converter (ADC) (25) is arranged to convert incoming composite video signals into digital form, a digital memory (80) is arranged to receive the digital output of the ADC (25), and a decoder (15) is provided to sample the contents of this memory under the control of timing signals synchronised digital samples relating to the incoming composite video signals. These digital samples are then transferred to the multiplexor (140).

Fig. 2