

Summary

Circuits for converting analogue RGB signals to analogue component signals are well known.

Normally text signals are added to component signals in an analogue manner. Special problems may arise in case of upconverting such interlace video signals to a higher field frequency. Vertical jitter or unsharpness of the text can be introduced.

In the RGB domain text signals can be represented by binary-like amplitude values (R, G, B). Therefore such text signals are generated digitally in the RGB domain and converted digitally to the component domain (Y, U, V). A simple circuitry, including three inverters (11, 12, 13), a latch (14) and two adders (15, 16), is required only.

Fig. 1

This Sheet Has Been Replaced

