THIS SHEET HAS BEEN REPLACED

Abstract

In the case of scanned-film source signals, a film mode provides for increased vertical resolution. An information item on whether such a source signal is present can be transmitted together with the television signal. However, evaluation in the receiver may entail a not inconsiderable hardware complexity. In addition, it is not ensured that all television transmitters or all programmes transmit this additional information item.

For each vertically adjacent pixel pair, a check is performed as to whether the amplitude of the two vertically intermediate pixels from the two adjacent fields lies between the amplitudes of the pixel pair. These comparison results are combined within each field. Over a certain number of fields in each case these combination results must correspond to a certain pattern for the film mode to be recognised. The switching-off criteria are less strict. Within a predetermined number of fields a certain number of 'false' combination results may occur. The film mode is only switched off when this number is exceeded.

Fig. 6

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