

A LIQUID CRYSTAL DRIVING DEVICE, LIQUID CRYSTAL DISPLAY DEVICE,
ANALOG BUFFER, AND LIQUID CRYSTAL DRIVING METHOD

A video signal is sampled by sequential switches (104), etc. and the voltage held in capacitors (150) after passing through switches (110). Next, switches (120), (130) turn on, the hold for capacitor (152) is carried out, and that voltage buffered by analog buffer (170), then output. The switch on-off control is performed by means of lines L1 and L2. The control of the supply voltage is performed by $V1^+$ to $V4^+$, and the polarity of analog buffers (170), (172), etc. is controlled. By means of the switch on-off control and the supply voltage control, four driving methods for alternating liquid crystal driving can be realized. Further, the analog buffers are composed of TFTs; and positive and negative polarity inversion can be performed through supply voltage shift.