

ABSTRACT

A liquid crystal display apparatus having little influence of noise and able to improve an SN ratio of a light reception system without requiring a calibration operation when turning on the power, is provided. The apparatus has a plurality of display cells 21 having display circuits 210, light receiving cells 22 each including a light receiving element 221, a reference cell 23 having a configuration equivalent to the configuration of the light receiving cell and blocked from incidence of a light upon the light receiving element 221, and a received light signal processing circuit 6 performing differential signal processing of an output signal of the light receiving cell 22 and an output signal of the reference cell 23 and deleting noise.