

SEMICONDUCTOR DEVICE AND METHOD FOR DRIVING THE SAMEAbstract

A semiconductor device includes a photodiode, a first transistor, and a second transistor. The photodiode has a function of supplying a charge corresponding to incident light to a gate of the first transistor, the first transistor has a function of accumulating the charge supplied to the gate, and the second transistor has a function of retaining the charge accumulated in the gate of the first transistor. The second transistor includes an oxide semiconductor.

Figure 2