

PIXEL DETECTION DEVICE AND PIXEL DETECTION METHOD

ABSTRACT

A pixel detection device includes a data line, a pixel circuit, and a detection circuit. Pixel circuit is coupled to a system high voltage source, a system low voltage source, and a first reference voltage source. Detection circuit is coupled to data line and pixel circuit, and is configured to receive a driving signal and a detection control signal. Detection circuit forms a first detection loop with the system low voltage source and the data line so as to detect whether the pixel circuit is abnormal according to the driving signal and the detection control signal in a first stage. Detection circuit forms a second detection loop with the first reference voltage source, the system low voltage source, the pixel circuit, and the data line so as to detect whether the pixel circuit is abnormal according to the driving signal and the detection control signal in a second stage.

FIG. 1