

TITLE:

DISPLAY DEVICE AND DRIVING METHOD THEREOF

ABSTRACT

5 Provided are a display device (100) and driving method thereof. In the display device, a display panel (110) has multiple pixels (PX11, PX12, PX21, PX22). A scan driver (120) provides multiple scan signals (GS1, GS2) to the multiple pixels. During a scan period (SCANA), the scan driver scans a scanned pixel according to scan signals, and a source driver (130) provides a source driver signal (DATA1) to the scanned pixel
10 according to display grayscale level of scanned pixel. The source driver sets a voltage peak value of source driver signal according to display grayscale level of scanned pixel. Display grayscale level of scanned pixel is negatively correlated with voltage peak value of source driver signal. Alternatively, the source driver sets a duration (TC) of source driver signal according to display grayscale level of scanned pixel. Display grayscale level of
15 scanned pixel is negatively correlated with duration of source driver signal.

FIG. 1