

DISPLAY DEVICE AND CONTROL METHOD THEREFOR

ABSTRACT

A display device and a control method therefor are provided. The display device includes a pixel row having first, second and third color sub-pixel blocks. In the control method, a frame is divided into a first sub-frame and a second sub-frame. Then, M color-mixed pixel blocks and N single color pixel blocks are defined. When $N=0$, the first and second sub-pixel blocks of at least one of the color-mixed pixel blocks are controlled to emit lights in the first sub-frame, and the first and the third sub-pixel blocks of the at least one of the color-mixed pixel blocks are controlled to emit lights in the second sub-frame. When $N \neq 0$, the first and second sub-pixel blocks of the color-mixed pixel blocks are controlled to emit lights in the first sub-frame, and third color sub-pixel blocks of the single color pixel blocks are controlled to emit lights in the second sub-frame.

Fig. 5A