

ABSTRACT

PIXEL COLLECTION CIRCUIT AND IMAGE SENSOR

The present disclosure discloses a pixel collection circuit and an image sensor. Where the image sensor includes: a pixel collection circuit array containing a plurality of pixel collection circuits; a global control unit, coupled with the pixel collection circuit array through a global reset signal line and suitable for resetting the pixel collection circuit array when the image sensor is powered on; a global time signal generation unit, coupled with the pixel collection circuit array through a global time signal line and suitable for generating a global time signal that represents time information; and a reading unit, coupled with the pixel collection circuit array through a row selection line, a row event reset signal line, a column flag bit signal line and a column time signal line and suitable for reading event information of an event sequence generated by the pixel collection circuit array.

Figure 1