

ABSTRACT

PIXEL COLLECTION CIRCUIT AND IMAGE SENSOR

The present disclosure provides a pixel collection circuit and an image sensor. The image collection circuit includes: a movement detection module configured to detect a change in a light intensity in a field of view, and generate a pixel triggering signal when the change in the light intensity exceeds a predetermined threshold so as to indicate the pixel collection circuit to be in a triggered state; and a time signal generation module coupled to the movement detection module and configured to generate a time signal upon the receipt of the pixel triggering signal, the time signal being used to represent time information about a time point at which the pixel collection circuit is triggered. The movement detection module and the time signal generation module are coupled to a reading unit, so that the reading unit scans the pixel collection circuit to output the time information about the pixel collection circuit.

Figure 2