

ABSTRACT

IMAGE SENSOR AND IMAGE COLLECTION SYSTEM

The present disclosure provides an image sensor and an image collection system. The image sensor includes: a pixel collection circuitry array including a plurality of pixel collection circuitries, each pixel collection circuitry being configured to monitor a change in a light intensity in a field of view and enter a triggered state when the change in the light intensity meets a predetermined condition; a boundary triggered pixel determination array configured to determine a boundary triggered pixel collection circuitry in the pixel collection circuitries in the triggered state; and a reading unit configured to respond to the boundary triggered pixel collection circuitry and output address information about the boundary triggered pixel collection circuitry.

Figure 1