

ABSTRACT

The present disclosure discloses a pixel information output method of an image sensor. The image sensor includes a photosensitive unit array, a filter cell array, and a micro-lens array. The filter cell array is arranged on the photosensitive unit array. The micro-lens array is arranged above the filter cell array. Each micro-lens covers a filter cell and a photosensitive unit. Each photosensitive unit includes a plurality of photosensitive pixels. The method includes the following steps of: determining an output mode according to a mode selection instruction; controlling exposure of the photosensitive unit array and reading outputs of the photosensitive unit array, wherein pixel information of the plurality of photosensitive pixels of a same photosensitive unit is combined to be output when selecting a first output mode. The method can improve image quality. The present disclosure also discloses a phase focusing method, an image sensor, an imaging device, and a terminal.