

ABSTRACT

An electronic device includes an input interface, a wide-angle sensor, a telephoto sensor, and an output interface. The input interface receives a zoom magnification. The wide-angle sensor operates when the zoom magnification is smaller than a first reference magnification. The telephoto sensor operates when the zoom magnification is greater than a second reference magnification, which is smaller than the first reference magnification. The telephoto sensor operates concurrently with the wide-angle sensor when the zoom magnification is between the second reference magnification and the first reference magnification. The output interface outputs a first image based on a first signal from the wide-angle sensor when the zoom magnification is smaller than a switching magnification, which is between the second reference magnification and the first reference magnification. The output interface outputs a second image based on a second signal from the telephoto sensor when the zoom magnification is greater than the switching magnification.

FIG. 2