

CLAIMS

1. An electronic device, comprising a housing, a circuit board, a battery, and a cover plate, the circuit board, the battery, and the cover plate being disposed on the housing; the cover plate comprising a first region and a second region other than the first region, an inner surface of the first region being provided with a special-shaped screen, the special-shaped screen comprising a special-shaped region and a regular-shaped region, and the circuit board being provided with a circuit coupled with the special-shaped screen, wherein the special-shaped region is a region having an incomplete substantially rectangular shape, and the regular-shaped region is a region having a substantially rectangular shape;

the special-shaped screen being configured to display a preset interface in the special-shaped region and the regular-shaped region; and

the circuit being configured to:

obtain a first screenshot of the preset interface in a first screen status, the first screenshot containing an incomplete region;

obtain a second screenshot, by inverting the preset interface and performing a screenshot on the preset interface inversed in a second screen status; and

obtain a synthesized screenshot by synthesizing the first screenshot and the second screenshot, the synthesized screenshot being a complete screenshot.

2. The electronic device of claim 1, wherein the circuit configured to obtain a synthesized screenshot by synthesizing the first screenshot and the second screenshot is configured to:

determine ~~an~~ the incomplete region in the first screenshot;

obtain a third screenshot by inverting the second screenshot, wherein the third screenshot is in a same orientation as the first screenshot;

obtain, from the third screenshot, a target image corresponding to the incomplete region by cropping the third screenshot; and

obtain the synthesized screenshot by stitching the first screenshot and the target image.

3. The electronic device of claim 1, wherein the circuit configured to obtain a synthesized screenshot by synthesizing the first screenshot and the second screenshot is configured to:

obtain a third screenshot by inverting the second screenshot; and

obtain the synthesized screenshot by superimposing the first screenshot and the third screenshot.

4. The electronic device of claim 3, wherein the circuit configured to superimpose the first screenshot and the third screenshot is configured to:

determine, in the first screenshot, a weight $a1$ of the incomplete region in the first screenshot and a weight $b1$ of a complete region, wherein the weight $a1$ and the weight $b1$ range from 0 to 1;

determine, in an incomplete region in the third screenshot, a weight $a2$ of a symmetric region and a

weight $b2$ of a dissymmetric region, wherein the weight $a2$ and the weight $b2$ range from 0 to 1; and

perform a weighting operation on the first screenshot and the third screenshot according to the weight $a1$, the weight $b1$, the weight $a2$, and the weight $b2$.

5. The electronic device of any of claims 1 to 4, wherein the circuit is further configured to:
determine whether the incomplete region of the first screenshot comprises preset contents; and
obtain the second screenshot, by inverting the preset interface and performing a screenshot on the preset interface inversed.

6. The electronic device of claim 5, wherein the circuit configured to determine whether the incomplete region of the first screenshot comprises the preset contents is further configured to:

determine whether the incomplete region of the first screenshot comprises the preset contents by employing a manner of semantic analysis or image integrity detection.

7. The electronic device of any of claims 1 to 6, wherein the circuit is further configured to:
display the synthesized screenshot.

8. A method for screenshot, being applicable to an electronic device, the electronic device comprising a housing, a circuit board, a battery, and a cover plate, the circuit board, the battery, and the cover plate being disposed on the housing; the cover plate comprising a first region and a second region other than the first region, an inner surface of the first region being provided with a special-shaped screen, the special-shaped screen comprising a special-shaped region and a regular-shaped region, and the circuit board being provided with a circuit coupled with the special-shaped screen, wherein the special-shaped region is a region having an incomplete substantially rectangular shape, and the regular-shaped region is a region having a substantially rectangular shape, the method for screenshot comprising:

displaying a preset interface in the special-shaped region and the regular-shaped region of the special-shaped screen, and obtaining a first screenshot of the preset interface in a first screen status, the first screenshot containing an incomplete region;

obtaining a second screenshot by inverting, by the circuit, the preset interface and performing a screenshot on the preset interface inversed; and

obtaining a synthesized screenshot by synthesizing the first screenshot and the second screenshot, the synthesized screenshot being a complete screenshot.

9. The method of claim 8, wherein the obtaining a synthesized screenshot by synthesizing the first screenshot and the second screenshot comprises:

determining ~~an~~ the incomplete region in the first screenshot;

obtaining a third screenshot by inverting the second screenshot, wherein the third screenshot is in a same orientation as the first screenshot;

obtaining, from the third screenshot, a target image corresponding to the incomplete region by cropping the third screenshot; and

obtaining the synthesized screenshot by stitching the first screenshot and the target image.

10. The method of claim 8, wherein the obtaining a synthesized screenshot by synthesizing the first screenshot and the second screenshot comprises:

obtaining a third screenshot by inverting the second screenshot; and

obtaining the synthesized screenshot by superimposing the first screenshot and the third screenshot.

11. The method of claim 10, wherein the superimposing the first screenshot and the third screenshot comprises:

determining, in the first screenshot, a weight $a1$ of the incomplete region in the first screenshot and a weight $b1$ of a complete region, wherein the weight $a1$ and the weight $b1$ range from 0 to 1;

determining, in an incomplete region in the third screenshot, a weight $a2$ of a symmetric region and a weight $b2$ of a dissymmetric region, wherein the weight $a2$ and the weight $b2$ range from 0 to 1; and

performing a weighting operation on the first screenshot and the third screenshot according to the weight $a1$, the weight $b1$, the weight $a2$, and the weight $b2$.

12. The method of any of claims 8 to 11, wherein the method for screenshot further comprises:

determining whether the incomplete region of the first screenshot comprises preset contents; and

proceeding to obtaining the second screenshot, by inverting the preset interface and performing a screenshot on the preset interface ~~rotated~~inversed, based on a determination that the incomplete region of the first screenshot comprises the preset contents.

13. The method of claim 12, wherein the determining whether the incomplete region of the first screenshot comprises preset contents comprises:

determining whether the incomplete region of the first screenshot comprises the preset contents by employing a manner of semantic analysis or image integrity detection.

14. The method of claim any of claims 8 to 13, further comprising:

displaying the synthesized screenshot after obtaining the synthesized screenshot.

15. The method of any of claims 8 to 14, further comprising:

detecting whether a screenshot instruction is received;

proceeding to the obtaining a first screenshot of the preset interface in a first screen status when detecting that the screenshot instruction is received.

16. Software that when executed by a computer, the computer is able to perform the method of any of claims 8 to 15.