CLAIMS

1. An image processing method, comprising:

obtaining an original photographed image and a depth image corresponding to the original photographed image;

storing the original photographed image and the depth image; and

performing blurring processing on the original photographed image by using the stored depth image to generate a post-processing result image; and at least one of:

displaying the post-processing result image, or storing the post-processing result image.

2. The method according to claim 1, wherein the depth image comprises original depth information of at least one pixel point in the original photographed image; and the performing blurring processing on the original photographed image by using the depth image to generate a post-processing result image comprises:

determining blurring degree data of each of the at least one pixel point in the original photographed image according to blurring parameter data and the original depth information of the at least one pixel point; and

performing blurring processing on the original photographed image according to the blurring degree data of the at least one pixel point to generate a post-processing result image.

3. The method according to claim 2, wherein the blurring parameter data comprises focus data and blurring intensity data; and the determining blurring degree data of each of the at least one pixel point in the original photographed image according to blurring parameter data and the original depth information of the at least one pixel point comprises:

performing, according to the focus data, adjustment processing on an original depth value corresponding to the original depth information of the at least one pixel point to obtain an adjusted depth value of each of the at least one pixel point; and

obtaining the blurring degree data of each pixel point according to the blurring intensity data and the adjusted depth value of the pixel point.

4. The method according to claim 3, wherein the performing, according to the focus data, adjustment processing on an original depth value corresponding to the original depth information of the at least one pixel point to obtain an adjusted depth value of each of the at least one pixel point comprises:

setting an adjusted depth value of a first pixel point of the at least one pixel point to a difference between an original depth value of the first pixel point and a depth value of a focus point corresponding to the focus data, and setting an adjusted depth value of a second pixel point of the at least one pixel point to 0, wherein the original depth value of the first pixel point is greater than the depth value of the focus point, and the original depth value of the second pixel point is less than the depth value of the focus point.

5. The method according to claim 3, wherein the performing, according to the focus data, adjustment processing on an original depth value corresponding to the original depth information of the at least one pixel point to obtain an adjusted depth value of each of the at least one pixel point comprises:

setting the adjusted depth value of each pixel point as an absolute difference value between an original depth value of the pixel point and a depth value of a focus point corresponding to the focus data.

6. The method according to claim 5, wherein the blurring degree data comprises blurring radius data; and

the performing blurring processing on the original photographed image according to the blurring degree data of the at least one pixel point to generate a post-processing result image comprises:

using the blurring radius data of the at least one pixel point as a parameter value of a Gaussian kernel function, and performing blurring processing on the at least one pixel point of the original photographed image by using a Gaussian blur method to generate the post-processing result image; or

determining an average kernel width of each of the at least one pixel point according to the blurring radius data of the at least one pixel point, and performing blurring processing on the

at least one pixel point of the original photographed image by using an average blur method to generate the post-processing result image; or

using the blurring radius data of the at least one pixel point as a circle radius value, and performing blurring processing on the at least one pixel point of the original photographed image by using a circular blur method to generate the post-processing result image.

7. The method according to claim 3, wherein the storing the original photographed image and the depth image comprises:

associatively storing the original photographed image and the depth image in an image library.

8. The method according to claim 7, wherein the associatively storing the original photographed image and the depth image in an image library comprises:

associatively storing the original photographed image and the depth image in the image library as separate image files; or

storing the original photographed image and the depth image in a first merged image file of the image library.

9. The method according to claim 7, wherein the storing the original photographed image and the depth image comprises:

associatively storing the original photographed image, the depth image, and an original photographed effect image in the image library as separate image files.

10. The method according to claim 7, wherein the storing the original photographed image and the depth image comprises:

storing the original photographed image, the depth image, and an original photographed effect image in a second merged image file.

11. The method according to claim 10, wherein the storing the original photographed image, the depth image, and an original photographed effect image in a second merged image file comprises:

writing the original photographed image and the depth image behind the original photographed effect image.

12. The method according to claim 10 or 11, wherein a file header of the second merged image file comprises information indicating a length of at least one of the original photographed effect image or the original photographed image.

13. The method according to any one of claims 10 to 12, further comprising:

in response to an image display command, extracting the original photographed effect image from the second merged image file according to a size of the original photographed effect image, and displaying the original photographed effect image.

14. An image processing method, comprising:

obtaining an original photographed image and original depth information of at least one pixel point in the original photographed image;

determining blurring degree data of each of the at least one pixel point in the original photographed image according to blurring parameter data and the original depth information of the at least one pixel point; and

performing blurring processing on the original photographed image according to the blurring degree data of the at least one pixel point to generate a post-processing result image;

displaying the post-processing result image; and/or storing the post-processing result image.

15. The method according to claim 14, wherein the blurring parameter data comprises focus data and blurring intensity data; and the determining blurring degree data of each of the at least one pixel point in the original photographed image according to blurring parameter data and the original depth information of the at least one pixel point comprises:

performing, according to the focus data, adjustment processing on an original depth value corresponding to the original depth information of the at least one pixel point to obtain an adjusted depth value of each of the at least one pixel point; and

obtaining the blurring degree data of each pixel point according to the blurring intensity data and the adjusted depth value of the pixel point.

16. The method according to claim 15, wherein the performing, according to the focus data, adjustment processing on an original depth value corresponding to the original depth information of the at least one pixel point to obtain an adjusted depth value of each of the at least one pixel point comprises:

setting an adjusted depth value of a first pixel point of the at least one pixel point to a difference between an original depth value of the first pixel point and a depth value of a focus point corresponding to the focus data, and setting an adjusted depth value of a second pixel point of the at least one pixel point to 0, wherein the original depth value of the first pixel point is greater than the depth value of the focus point, and the original depth value of the second pixel point is less than the depth value of the focus point.

17. An image processing apparatus, comprising:

an image obtaining module, configured to obtain an original photographed image and a depth image corresponding to the original photographed image;

a storage module, configured to store the original photographed image and the depth image; and

a post-processing module, configured to carry out blurring processing on the original photographed image by using the stored depth image to generate a post-processing result image;

a post-processing result image display module, configured to display the post-processing result image; and/or

a post-processing result image storage module, configured to store the post-processing result image.

18. An electronic device, comprising a processor, a memory, a communication element, and a communication bus, wherein the processor, the memory, and the communication element communicate with each other by means of the communication bus;

the memory is configured to store at least an executable instruction which enables the processor to execute the image processing method according to any one of claims 1 to 13 or any one of claims 14 to 16.

19. A computer readable storage medium having a computer program instruction stored thereon, wherein the program instruction is executed by the processor to implement the image processing method according to any one of claims 1 to 13 or any one of claims 14 to 16.

20. A computer program, comprising a computer program instruction, wherein the program instruction is executed by the processor to implement the image processing method according to any one of claims 1 to 13 or any one of claims 14 to 16.