CLAIMS

1. A chip recognition system that recognizes a chip on a gaming table in an amusement place having the gaming table, the chip recognition system comprising:

a first camera configured to capture, from a first position, a plurality of chips stacked on the game table to obtain a first image;

a second camera configured to capture, from a second position different from the first position, the plurality of chips stacked on the game table to obtain a second image,

wherein the first camera and the second camera capture the common plurality of chips to obtain the first image and the second image, respectively;

a first artificial intelligence device configured to determine a type and a number of the common plurality of chips based on the first image;

a second artificial intelligence device configured to determine the type and the number of the common plurality of chips based on the second image; and

a correct determination device configured to determine a correct type and number of the common plurality of chips based on a determination result of the first artificial intelligence device and a determination result of the second artificial intelligence device.

2. The chip recognition system according to claim 1, wherein the correct determination device is capable of determine the correct type and the correct number of the common plurality of chips based on the determination result of the first artificial intelligence device and the determination result of the second artificial intelligence device even when the common plurality of chips are hidden in the first image due to a blind spot of the first camera.

3. The chip recognition system according to claim 1, wherein the correct determination device determines a correct type and the correct number of the common plurality of chips based on, in addition to the determination result of the first artificial intelligence device and the determination result of the second artificial intelligence device, an overlap of the common plurality of chips.

4. The chip recognition system according to claim 1, wherein the first camera and the second camera are positioned at symmetrical positions with regard to the game table.

5. The chip recognition system according to claim 1, wherein:

the game table includes a plurality of bet areas,

the first camera captures a whole of the plurality of bet areas, and

the second camera captures a whole of the plurality of bet areas.

6. The chip recognition system according to claim 1, wherein a distance between the first camera and the common plurality of chips is different from a distance between the second camera and the common plurality of chips.

7. The chip recognition system according to claim 1, further comprising:

an image analysis device configured to extract a first chip area from the first image and a second chip area from the second image,

wherein:

the first artificial intelligence device determines a type and the number based on the first chip area, and

the second artificial intelligence device determines the type and the number based on the second chip area.

8. The chip recognition system according to claim 1, wherein a number of pixels of the first image is different

from a number of pixels of the second image.

9. The chip recognition system according to claim 1, wherein a focus position of the first camera is different from a focus position of the second camera.

10. The chip recognition system according to claim 1, wherein the correct determination device determines a correct type and the correct number of the chips by adopting one of the determination result of the first artificial intelligence device and the determination result of the second artificial intelligence device when the determination result of the first artificial intelligence device is different from the determination result of the second artificial intelligence device.

11. The chip recognition system according to claim 10, wherein the correct determination device selects an image having more information of the common plurality of chips among the first image and the second image as an image where a correct determination result is obtained.

12. The chip recognition system according to claim 10, wherein the correct determination device selects an image

obtained by a camera closer to the common plurality of chips among the first image and the second image as an image where a correct determination result is obtained.

13. The chip recognition system according to claim 10, wherein the correct determination device selects an image having higher contrast among the first image and the second image as an image where a correct determination result is obtained.

14. The chip recognition system according to claim 10, wherein the correct determination device selects an image whose deviation from a focus position is smaller among the first image and the second image as an image where a correct determination result is obtained.

15. The chip recognition system according to claim 1, wherein the first artificial intelligence device and the second artificial intelligence device are implemented as one chip determination device.

16. The chip recognition system according to claim 1, wherein the first artificial intelligence device is a device different from the second artificial intelligence device.

17. The chip recognition system according to claim 1, wherein:

the game table includes a plurality of bet areas,

the first camera captures a part of the plurality of bet areas, and

the second camera captures a part of the plurality of bet areas.