Claims:

1. A system for recognizing chips placed on a game table on which a game using chips is played, the system comprising:

a single camera configured to capture a chip stack comprising a plurality of chips stack vertically and displaced from each other and placed on the game table to ~~obtain~~acquire a captured image;

a control device configured to determine the position, type, and number of chips placed on the game table by analyzing one ~~of the~~ captured ~~images~~image acquired by the single camera, wherein

the single camera ~~acquires~~is configured to acquire the one captured image including the plurality of chip stacks having different distances and directions of observation from each other when there are ~~a~~ plurality of chip stacks by capturing the chips on the game table from diagonally above, ~~and~~

the single camera is configured to acquire the one captured image, which shows the top surface of the topmost chip in the chip stack and the sides of the plurality of chips comprising the chip stack, by capturing the chips on the game table from diagonally above,

the control device is configured to determine the location of each of the plurality of chip stacks, the type of each of the plurality of chips in each of the plurality of chip stacks, and the number of chips in each of the plurality of chip stacks by using artificial intelligence techniques utilizing deep learning as image analysis~~.~~, and

~~2. The system according to claim 1, wherein~~ the control device is configured to determine the position, the type, and the number of chips by image analysis of ~~a~~the one captured image of a chip stack comprising a plurality of chips stacked in a zigzag manner.

~~3~~2. The system according to claim 1, wherein the control device is configured to, even when the chip stack includes a first chip and a second chip stacked on top of the first chip, with a portion of the first chip hidden by the second chip, identify the first chip.

~~4. The system according to claim 1, wherein the camera is configured to acquire the captured images by capturing the top surface of the topmost chip of the chip stack and the sides of the plurality of the chips comprising the chip stack.~~

~~5~~3. The system according to claim 1, wherein the control device is configured to determine, as a position of the chip stack, whether the chip stack is placed in a betting area of a player, banker, or pair on the game table.

~~6~~4. The system according to claim 1, wherein the control device is configured to determine the type of chips based at least on the color of the chips.

~~7~~5. The system according to claim 1, wherein

the single camera is configured to capture the chip stacks that have been bet by being placed on the game table by a player,

the control device is configured to determine the position, the type, and the number of chips in the bet chip stack.

~~8~~6. The system according to claim 1, wherein

the single camera is configured to capture the chip stacks that have been paid out to players by being placed on the game table by the dealer, and

the control device is configured to determine the position, the type, and the number of bet stacks dispensed.

~~9~~7. The system according to claim 1, wherein the control device is configured to calculate the total amount of each of the plurality of chip stacks based on the respective types of chips contained in each of the plurality of chip stacks and the respective numbers of chips contained in each of the plurality of chip stacks.

~~10~~8. The system according to claim 1, wherein the control device is configured to determine whether the dealer has correctly collected

the chips according to the results of the image analysis and the game results.

~~11~~9. The system according to claim 1, wherein the control device is configured to determine whether the dealer has correctly paid out the chips according to the results of the image analysis and the game results.

~~12~~10. The system according to claim 1, wherein the control device is configured to determine whether the dealer has correctly collected and paid out the chips according to the results of the image analysis and the game results.