CLAIMS

1. A method for controlling a headset device, the method comprising:

determining an opening of an input element in a program used by a user;

capturing an infrared image of a vicinity of the headset device upon the determination of the opening of the input element;

determining a presence of a pre-determined peripheral device in the vicinity of the headset device based on the infrared image that is captured upon the determination of the opening of the input element; and

controlling a display of the headset device to display a representation of the pre-determined peripheral device based on the determined presence of the pre-determined peripheral device and the determination of the opening of the input element.

2. The method of claim 1, further comprising:

determining a presence of an infrared marking on the pre-determined peripheral device based on the infrared image; and

determining the presence of the pre-determined peripheral device in the vicinity of the headset device based on determining the infrared marking.

3. The method of claim 1, further comprising:

determining a position of the pre-determined peripheral device relative to the headset device based on the infrared image.

4. The method of claim 3, further comprising:

controlling the display to display a three-dimensional representation of the pre-determined peripheral device based on the determined position of the pre-determined peripheral device.

5. The method of claim 1, further comprising:

controlling the display to overlay a representation of a surrounding of the headset device with the representation of the pre-determined peripheral device.

6. The method of claim 1, further comprising:

controlling the display to overlay an output of the program used by the user of the headset device with the representation of the pre-determined peripheral device.

7. The method of claim 1, further comprising:

controlling the display to display the representation of the pre-determined peripheral device based on a pre-determined input into an input device connected to the headset device.

8. The method of claim 1, further comprising:

determining a gesture performed by the user of the headset; and

controlling the display to display the representation of the pre-determined peripheral device based on the determined gesture.

9. The method of claim 1, further comprising:

controlling the display to display an interaction of the user of the headset device with the pre-determined peripheral device.

10. A headset device comprising:

a display;

an infrared sensor configured to capture an infrared image of a vicinity of the headset device upon a determination of an opening of an input element in a program used by a user;

a presence determination circuit configured to determine a presence of a pre-determined peripheral device in the vicinity of the headset device based on the infrared image that is captured upon the determination of the opening of the input element; and

a controller configured to control the display to display a representation of the pre-determined peripheral device based on the determined presence of the pre-determined peripheral device and the determination of the opening of the input element.

11. The headset device of claim 10,

wherein the presence determination circuit is further configured to determine a presence of an infrared marking on the pre-determined peripheral device based on the infrared image, and to determine the presence of the pre-determined peripheral device in the vicinity of the headset device based on determining the infrared marking.

12. The headset device of claim 10,

wherein the presence determination circuit is further configured to determine a position of the pre-determined peripheral device relative to the headset device based on the infrared image.

13. The headset device of claim 12,

wherein the controller is further configured to control the display to display a three-dimensional representation of the pre-determined peripheral device based on the determined position of the pre-determined peripheral device.

14. The headset device of claim 10,

wherein the controller is further configured to control the display to overlay a representation of a surrounding of the headset device with the representation of the pre-determined peripheral device.

15. The headset device of claim 10,

wherein the controller is further configured to control the display to overlay an output of the program used by the user of the headset device with the representation of the pre-determined peripheral device.

16. The headset device of claim 10,

wherein the controller is further configured to control the display to display the representation of the pre-determined peripheral device based on a pre-determined input into an input device connected to the headset device.

17. The headset device of claim 10, further comprising:

a gesture recognition circuit configured to determine a gesture performed by the user of the headset;

wherein the controller is further configured to control the display to display the representation of the pre-determined peripheral device based on the determined gesture.

18. The headset device of claim 10, further comprising:

an interface to a gesture recognition device configured to determine a gesture of the user of the headset device, the interface configured to receive information indicating the determined gesture;

wherein the controller is further configured to control the display to display the representation of the pre-determined peripheral device based on the determined gesture.

19. The headset device of claim 10,

wherein the controller is further configured to control the display to display an interaction of the user of the headset device with the pre-determined peripheral device.

20. An infrared sensor comprising:

a capturing circuit configured to capture an infrared image of a vicinity of a headset device upon a determination of an opening of an input element in a program used by a user; and

a communication circuit configured to communicate data based on the captured infrared image to the headset device for determining a presence of a pre-determined peripheral device in the vicinity of the headset device based on the infrared image that is captured upon the determination of the opening of the input element and for controlling a display of the headset device to display a representation of the pre-determined peripheral device based on the determined presence of the pre-determined peripheral device and the determination of the opening of the input element.