

information and the current photographing status information.

The prompting module 8032 is configured to prompt, by using the acquired existing photographing status information as a reference, the user to adjust the current photographing status information to approximate the existing photographing status information up to another
5 preset threshold.

In this embodiment of the present invention, before a user photographs a photographing object by using a terminal, the terminal first acquires existing photographing status information, then generates notification information according to the acquired existing photographing status information, and finally outputs the generated notification information;
10 in this way, the user can easily and efficiently adjust a photographing status according the notification information.

A persons of ordinary skill in the art may understand that all or some of the processes of the methods in the embodiments may be implemented by a computer program instructing relevant hardware. The program may be stored in a computer readable storage medium. When the
15 program runs, the processes of the methods in the embodiments are performed. The foregoing storage medium may include: a magnetic disk, an optical disc, a read-only memory (Read-Only Memory, ROM), or a random access memory (Random Access Memory, RAM).

In short, the foregoing descriptions are merely exemplary embodiments of the present invention, but are not intended to limit the protection scope of the present invention. Any
20 modification, equivalent replacement, or improvement made without departing from the spirit and principle of the present invention shall fall within the protection scope of the present invention.

CLAIMS

What is claimed is:

1. An information processing method applied to a terminal, wherein the method comprises:

5 acquiring existing photographing status information;

generating notification information according to the existing photographing status information; and

outputting the notification information, so that a user adjusts a photographing status of the terminal according to the notification information.

10 2. The information processing method according to claim 1, wherein the notification information comprises: the existing photographing status information.

3. The information processing method according to claim 1, wherein before the generating notification information, the method further comprises: acquiring current photographing status information; and

15 the generating notification information according to the existing photographing status information comprises: generating the notification information according to the existing photographing status information and the current photographing status information, wherein the notification information comprises a deviation between the current photographing status information and the existing photographing status information.

20 4. The information processing method according to any one of claims 1 to 3, wherein the photographing status information comprises at least one of photographing status information of the terminal and additional status information.

25 5. The information processing method according to claim 4, wherein the photographing status information of the terminal comprises at least one of a location parameter and an angle parameter.

6. The information processing method according to claim 5, wherein the photographing status information of the terminal further comprises at least one of a height parameter and a focal length parameter.

7. The information processing method according to any one of claims 4 to 6, wherein the additional status information comprises at least one of photographing time information and weather information.

8. The information processing method according to any one of claims 1 to 7, wherein before the acquiring existing photographing status information, the method further comprises receiving a selection of the user; and

the acquiring existing photographing status information comprises: acquiring the existing photographing status information according to the selection of the user.

9. The information processing method according to any one of claims 5 to 7, wherein before the acquiring existing photographing status information, the method further comprises: acquiring a location parameter of a current location of the terminal; and

the acquiring existing photographing status information comprises: acquiring the existing photographing status information according to the location parameter of the current location.

10. The information processing method according to claim 9, wherein before the acquiring existing photographing status information, the method further comprises: acquiring a first location parameter according to first photographing status information that is already stored, wherein the first photographing status information comprises the first location parameter; and

the acquiring the existing photographing status information according to the location parameter of the current location comprises:

calculating a distance from the current location to a first location according to the location parameter of the current location and the first location parameter; and

using the first photographing status information as the existing photographing status information when the distance is less than a preset threshold.

11. The information processing method according to claim 9, wherein before the acquiring existing photographing status information, the method further comprises: acquiring a first location parameter and a second location parameter according to first photographing status information and second photographing status information that are already stored, wherein the first photographing status information and the second photographing status information comprise the first location parameter and the second location parameter

respectively; and

the acquiring the existing photographing status information according to the location parameter of the current location comprises:

calculating a first distance from the current location to a first location according to the location parameter of the current location and the first location parameter;

calculating a second distance from the current location to a second location according to the location parameter of the current location and the second location parameter; and

using photographing status information corresponding to a smaller one of the first distance and the second distance as the existing photographing status information.

12. The information processing method according to claim 9, wherein before the acquiring existing photographing status information, the method further comprises: acquiring a first location parameter according to first photographing status information that is already stored, wherein the first photographing status information comprises the first location parameter; and

the acquiring the existing photographing status information according to the location parameter of the current location comprises:

calculating a distance from the current location to a first location according to the location parameter of the current location and the first location parameter;

acquiring the first photographing status information with the distance less than a preset threshold; and

according to a selection of the user, using the first photographing status information, with the distance less than the preset threshold and selected by the user, as the existing photographing status information.

13. The information processing method according to any one of claims 1 to 7, wherein the existing photographing status information is received from another device.

14. The information processing method according to any one of claims 1 to 13, wherein the existing photographing status information is in an image; or

the existing photographing status information is located in a file associated with an image.

15. The information processing method according to any one of claims 3 to 14, wherein

the outputting the notification information comprises:

displaying the existing photographing status information and the current photographing status information; and

prompting, by using the acquired existing photographing status information as a reference, the user to adjust the current photographing status information to approximate the existing photographing status information up to another preset threshold.

16. An information processing apparatus applied to a terminal, wherein the apparatus comprises:

an existing information acquiring module, configured to acquire existing photographing status information;

a generating module, configured to generate notification information according to the existing photographing status information; and

an output module, configured to output the notification information, so that a user adjusts a photographing status of the terminal according to the notification information.

17. The information processing apparatus according to claim 16, wherein the notification information comprises the existing photographing status information.

18. The information processing apparatus according to claim 16, wherein the apparatus further comprises: a current information acquiring module; and the current information acquiring module is configured to: acquire current photographing status information before the notification information is generated; and

the generating module is specifically configured to: generate the notification information according to the existing photographing status information and the current photographing status information, wherein the notification information comprises a deviation between the current photographing status information and the existing photographing status information.

19. The information processing apparatus according to any one of claims 16 to 18, wherein the photographing status information comprises at least one of photographing status information of the terminal and additional status information.

20. The information processing method according to claim 19, wherein the photographing status information of the terminal comprises at least one of a location parameter and an angle parameter.

21. The information processing method according to claim 20, wherein the photographing status information of the terminal further comprises at least one of a height parameter and a focal length parameter.

22. The information processing method according to any one of claims 19 to 21, wherein the additional status information comprises at least one of photographing time information and weather information.

23. The information processing apparatus according to any one of claims 13 to 22, wherein the apparatus further comprises a selecting module, configured to receive a selection of the user before the existing photographing status information is acquired; and the existing information acquiring module is specifically configured to acquire the existing photographing status information according to the selection of the user received by the selecting module.

24. The information processing apparatus according to any one of claims 20 to 22, wherein:

the apparatus further comprises: a current location acquiring module, configured to acquire a location parameter of a current location of the terminal before the existing photographing status information is acquired; and

the existing information acquiring module is specifically configured to acquire the existing photographing status information according to the location parameter that is of the current location and acquired by the location acquiring module.

25. The information processing apparatus according to claim 24, wherein the apparatus further comprises an existing location parameter acquiring module, configured to, before the existing photographing status information is acquired, acquire a first location parameter according to first photographing status information that is already stored, wherein the first photographing status information comprises the first location parameter; and

the existing information acquiring module specifically comprises a calculating module and a determining module;

the calculating module is configured to calculate a distance from the current location to a first location according to the location parameter of the current location and the first location parameter; and

the determining module is configured to use the first photographing status information as

the existing photographing status information when the distance is less than a preset threshold.

26. The information processing apparatus according to claim 24, wherein the apparatus further comprises an existing location parameter acquiring module, configured to, before the existing photographing status information is acquired, acquire a first location parameter and a second location parameter according to first photographing status information and second photographing status information that are already stored, wherein the first photographing status information and the second photographing status information comprise the first location parameter and the second location parameter respectively; and

the existing information acquiring module specifically comprises a calculating module and a determining module;

the calculating module is configured to calculate: a first distance from the current location to a first location according to the location parameter of the current location and the first location parameter, and a second distance from the current location to a second location according to the location parameter of the current location and the second location parameter; and

the determining module is configured to use photographing status information corresponding to a smaller one of the first distance and the second distance as the existing photographing status information.

27. The information processing apparatus according to claim 24, wherein the apparatus further comprises an existing location parameter acquiring module, configured to, before the existing photographing status information is acquired, acquire a first location parameter according to first photographing status information that is already stored, wherein the first photographing status information comprises the first location parameter; and

the existing information acquiring module specifically comprises a calculating module, a first acquiring module and a determining module;

the calculating module is configured to calculate a distance from the current location to a first location according to the location parameter of the current location and the first location parameter;

the first acquiring module is configured to acquire the first photographing status

information with the distance less than a preset threshold; and

the determining module is configured to, according to a selection of the user, use the first photographing status information, with the distance less than the preset threshold and selected by the user, as the existing photographing status information.

5 28. The information processing apparatus according to any one of claims 16 to 27, wherein the existing photographing status information is received from another device.

29. The information processing apparatus according to any one of claims 16 to 28, wherein:

the existing photographing status information is in an image; or

10 the existing photographing status information is located in a file associated with an image.

30. The information processing apparatus according to any one of claims 18 to 29, wherein the output module specifically comprises: a display module and a prompting module;

15 the display module is configured to display the existing photographing status information and the current photographing status information; and

the prompting module is configured to prompt, by using the acquired existing photographing status information as a reference, the user to adjust the current photographing status information to approximate the existing photographing status information up to another preset threshold.

20 31. A terminal, wherein the terminal comprises:

an input device and an output device;

at least one processor; and

a memory, wherein the memory is coupled with the processor;

the processor is configured to:

25 acquire existing photographing status information;

generate notification information according to the existing photographing status information; and

output the notification information; and

30 the output device is configured to present the notification information, so that a user adjusts a photographing status of the terminal according to the notification information.

32. The terminal according to claim 31, wherein the notification information comprises:
the existing photographing status information.

33. The terminal according to claim 31, wherein the terminal further comprises a
parameter collecting device, configured to collect current photographing status information;
5 and

the generating notification information according to the existing photographing status
information comprises: generating the notification information according to the existing
photographing status information and the current photographing status information, wherein
the notification information comprises a deviation between the current photographing status
10 information and the existing photographing status information.

34. The terminal according to any one of claims 31 to 33, wherein the photographing
status information comprises at least one of photographing status information of the terminal
and additional status information.

35. The terminal according to claim 34, wherein the photographing status information of
15 the terminal comprises at least one of a location parameter and an angle parameter.

36. The terminal according to claim 35, wherein the photographing status information of
the terminal further comprises at least one of a height parameter and a focal length parameter.

37. The terminal according to any one of claims 34 to 36, wherein the additional status
information comprises at least one of photographing time information and weather
20 information.

38. The terminal according to any one of claims 31 to 37, the input device is configured
to receive a selection of the user; and

the acquiring existing photographing status information comprises: acquiring the existing
photographing status information according to the selection of the user.

39. The terminal according to claims 35 to 37, wherein the parameter collecting device is
specifically configured to collect a location parameter of a current location of the terminal;
and

the acquiring existing photographing status information comprises: acquiring the existing
photographing status information according to the location parameter of the current location.

40. The terminal according to claim 39, wherein the processor is further configured to:

acquire a first location parameter according to first photographing status information that is already stored, wherein the first photographing status information comprises the first location parameter; and

the acquiring the existing photographing status information according to the location parameter of the current location comprises:

calculating a distance from the current location to a first location according to the location parameter of the current location and the first location parameter; and

using the first photographing status information as the existing photographing status information when the distance is less than a preset threshold.

41. The terminal according to claim 39, wherein the processor is further configured to: acquire a first location parameter and a second location parameter according to first photographing status information and second photographing status information that are already stored, wherein the first photographing status information and the second photographing status information comprise the first location parameter and the second location parameter respectively; and

the acquiring the existing photographing status information according to the location parameter of the current location comprises:

calculating a first distance from the current location to a first location according to the location parameter of the current location and the first location parameter;

calculating a second distance from the current location to a second location according to the location parameter of the current location and the second location parameter; and

using photographing status information corresponding to a smaller one of the first distance and the second distance as the existing photographing status information.

42. The terminal according to claim 39, wherein the processor is further configured to: acquire a first location parameter according to first photographing status information that is already stored, wherein the first photographing status information comprises the first location parameter; and

the acquiring the existing photographing status information according to the location parameter of the current location comprises:

calculating a distance from the current location to a first location according to the

location parameter of the current location and the first location parameter;

acquiring the first photographing status information with the distance less than a preset threshold; and

according to a selection of the user, using the first photographing status information, with the distance less than the preset threshold and selected by the user, as the existing photographing status information; wherein the input device is configured to receive the selection of the user.

43. The terminal according to any one of claims 31 to 37, wherein the existing photographing status information is received from another device.

44. The terminal according to any one of claims 31 to 43, wherein the existing photographing status information is in an image; or

the existing photographing status information is located in a file associated with an image.

45. The terminal according to any one of claims 33 to 44, wherein: the output device comprises a display screen, wherein

the presenting, by the output device, the notification information comprises:

displaying the existing photographing status information and the current photographing status information by using the display screen; and

prompting, by using the acquired existing photographing status information as a reference, the user to adjust the current photographing status information to approximate the existing photographing status information up to another preset threshold.

CLAIMS

1. A terminal, wherein the terminal comprises:

an input device and an output device;

at least one processor; and

5 a memory, wherein the memory is coupled with the processor;

the processor is configured to:

acquire existing photographing status information;

generate notification information according to the existing photographing status
information; and

10 output the notification information; and

the output device is configured to present the notification information, so that a user
adjusts a photographing status of the terminal according to the notification information.

2. The terminal according to claim 1, wherein the notification information comprises: the
existing photographing status information.

15 3. The terminal according to claim 1, wherein the terminal further comprises a parameter
collecting device, configured to collect current photographing status information; and

the generating notification information according to the existing photographing status
information by the terminal comprises: generating the notification information according to
the existing photographing status information and the current photographing status
20 information, wherein the notification information comprises a deviation between the current
photographing status information and the existing photographing status information.

4. The terminal according to any one of claims 1 to 3, wherein the photographing status
information comprises at least one of photographing status information of the terminal and
additional status information.

25 5. The terminal according to claim 4, wherein the photographing status information of
the terminal comprises at least one of a location parameter and an angle parameter.

6. The terminal according to claim 5, wherein the photographing status information of
the terminal further comprises at least one of a height parameter and a focal length parameter.

7. The terminal according to any one of claims 4 to 6, wherein the additional status information comprises at least one of photographing time information and weather information.

8. The terminal according to any one of claims 1 to 7, the input device is configured to receive a selection of the user; and

the acquiring existing photographing status information by the terminal comprises: acquiring the existing photographing status information according to the selection of the user.

9. The terminal according to claims 5 to 7, wherein the parameter collecting device is specifically configured to collect a location parameter of a current location of the terminal;

and

the acquiring existing photographing status information by the terminal comprises: acquiring the existing photographing status information according to the location parameter of the current location.

10. The terminal according to claim 9, wherein the processor is further configured to: acquire a first location parameter according to first photographing status information that is already stored, wherein the first photographing status information comprises the first location parameter; and

the acquiring the existing photographing status information according to the location parameter of the current location by the processor comprises:

calculating a distance from the current location to a first location according to the location parameter of the current location and the first location parameter; and

using the first photographing status information as the existing photographing status information when the distance is less than a preset threshold.

11. The terminal according to claim 9, wherein the processor is further configured to: acquire a first location parameter and a second location parameter according to first photographing status information and second photographing status information that are already stored, wherein the first photographing status information and the second photographing status information comprise the first location parameter and the second location parameter respectively; and

the acquiring the existing photographing status information according to the location

parameter of the current location by the processor comprises:

calculating a first distance from the current location to a first location according to the location parameter of the current location and the first location parameter;

calculating a second distance from the current location to a second location according to
5 the location parameter of the current location and the second location parameter; and

using photographing status information corresponding to a smaller one of the first distance and the second distance as the existing photographing status information.

12. The terminal according to claim 9, wherein the processor is further configured to:
acquire a first location parameter according to first photographing status information that is
10 already stored, wherein the first photographing status information comprises the first location parameter; and

the acquiring the existing photographing status information according to the location parameter of the current location by the processor comprises:

calculating a distance from the current location to a first location according to the
15 location parameter of the current location and the first location parameter;

acquiring the first photographing status information with the distance less than a preset threshold; and

according to a selection of the user, using the first photographing status information, with the distance less than the preset threshold and selected by the user, as the existing
20 photographing status information; wherein the input device is configured to receive the selection of the user.

13. The terminal according to any one of claims 1 to 7, wherein the existing photographing status information is received from another device.

14. The terminal according to any one of claims 1 to 13, wherein the existing
25 photographing status information is in an image; or

the existing photographing status information is located in a file associated with an image.

15. The terminal according to any one of claims 3 to 14, wherein: the output device comprises a display screen, wherein

30 the presenting, by the output device, the notification information comprises:

displaying the existing photographing status information and the current photographing status information by using the display screen; and

prompting, by using the acquired existing photographing status information as a reference, the user to adjust the current photographing status information to approximate the
5 existing photographing status information up to another preset threshold.