CLAIMS

1. A picture operation and control method for a mobile terminal, comprising: dividing a picture displayed in an interface of a mobile terminal into multiple image areas;

detecting an inclination direction and an inclination angle of the mobile terminal;

performing focus switching among the multiple image areas according to the inclination direction and the inclination angle;

if it is detected that the inclination direction is the same as a preset direction, triggering an image area selecting operation so as to select, in the interface, an image area where a focus stays, wherein the preset direction is a direction which is preset corresponding to the image area selecting operation;

acquiring a picture scaling factor that simultaneously corresponds to the inclination direction and the inclination angle; and

scaling the selected image area based on the picture scaling factor,

wherein the step of dividing the picture displayed in the interface of the mobile terminal into multiple image areas comprises:

detecting accelerations of the mobile terminal in all directions;

triggering a picture division event if it is detected, within a first preset time, that the acceleration in any one said direction continuously changes between positive values and negative values;

counting the number of continuous changes between the positive values and the negative values of the acceleration within the first preset time to determine an area division number of the picture according to the number of continuous changes; and

dividing the picture displayed in the interface of the mobile terminal into multiple image areas based on the image division number of the picture.

2. The picture operation and control method according to Claim 1, wherein the method further comprises the following steps to be performed after the step of scaling the selected image area based on the picture scaling factor:

detecting the accelerations of the mobile terminal in the all directions; and

horizontally moving the scaled image area according to a current inclination direction and a

current inclination angle of the mobile terminal if it is not detected, within the first preset time, that the acceleration in any said direction changes between positive values and negative values.

3. The picture operation and control method according to Claim 1, wherein the step of performing focus switching among the multiple image areas according to the inclination direction and the inclination angle comprises:

generating a detection box which is initially located in one said image area in the picture; and

controlling the detection box to move among the multiple image areas according to the inclination direction and the inclination angle.

4. The picture operation and control method according to Claim 1, wherein the picture operation and control method further comprises:

sending out a prompt message when a calibration event is triggered, wherein the prompt message is used for reminding a user to maintain the mobile terminal at a common inclination angle within a second preset time, and the common inclination angle is an inclination angle at which the mobile terminal is used by the user most frequently; and

detecting an inclination angle of the mobile terminal within the second preset time, and identifying the inclination angle as a reference angle used for detecting the inclination direction and the inclination angle of the mobile terminal.

5. A picture operation and control device for a mobile terminal, comprising:

a division module used for dividing a picture displayed in an interface of a mobile terminal into multiple image areas;

a first detection module used for detecting an inclination direction and an inclination angle of the mobile terminal;

a switching module used for performing focus switching among the multiple image areas according to the inclination direction and the inclination angle;

a selection module used for triggering an image area selecting operation so as to select, in the interface, an image area where a focus stays if it is detected that the inclination direction is the same as a preset direction, wherein the preset direction is a direction which is preset corresponding to the

image area selecting operation;

an acquisition module used for acquiring a picture scaling factor that simultaneously corresponds to the inclination direction and the inclination angle; and

a scaling module used for scaling the selected image area based on the picture scaling factor, wherein the division module comprises:

a detection sub-module used for detecting accelerations of the mobile terminal in all directions;

a triggering sub-module used for triggering a picture division event if it is detected, within a first preset time, that the acceleration in any one said direction continuously changes between positive values and negative values;

a counting sub-module used for counting the number of continuous changes between the positive values and the negative values of the acceleration within the first preset time to determine an area division number of the picture according to the number of continuous changes; and

a division sub-module used for dividing the picture displayed in the interface of the mobile terminal into multiple image areas based on the area division number of the picture.

6. The picture operation and control device according to Claim 5, wherein the picture operation and control device further comprises:

a second detection module used for detecting the accelerations of the mobile terminal in the all directions; and

a horizontal movement module used for horizontally moving the scaled image area according to a current inclination direction and a current inclination angle of the mobile terminal if it is not detected, within the first preset time, that the acceleration in any said direction changes between positive values and negative values.

7. The picture operation and control device according to Claim 5, wherein the switching module comprises:

a generation sub-module used for generating a detection box which is initially located in one said image area in the picture; and

a control sub-module used for controlling the detection box to move among the multiple image

areas according to the inclination direction and the inclination angle.

8. The picture operation and control device according to Claim 5, wherein the picture operation and control device further comprises:

a prompt module used for sending out a prompt message when a calibration event is triggered, wherein the prompt message is used for reminding a user to maintain the mobile terminal at a common inclination angle within a second preset time, and the common inclination angle is an inclination angle at which the mobile terminal is used by the user most frequently; and

a calibration module used for detecting an inclination angle of the mobile terminal within the second preset time and identifying the inclination angle as a reference angle used for detecting the inclination direction and the inclination angle of the mobile terminal.

9. A mobile terminal, comprising a memory and a processor, wherein a computer-readable instruction which is able to run on the processor is stored in the memory, and the processor executes the computer-readable instruction to implement the following steps:

dividing a picture displayed in an interface of a mobile terminal into multiple image areas;

detecting an inclination direction and an inclination angle of the mobile terminal;

performing focus switching among the multiple image areas according to the inclination direction and the inclination angle;

if it is detected that the inclination direction is the same as a preset direction, triggering an image area selecting operation so as to select, in the interface, an image area where a focus stays, wherein the preset direction is a direction which is preset corresponding to the image area selecting operation;

acquiring a picture scaling factor that simultaneously corresponds to the inclination direction and the inclination angle; and

scaling the selected image area based on the picture scaling factor

, wherein the step of dividing the picture displayed in the interface of the mobile terminal into multiple image areas comprises:

detecting accelerations of the mobile terminal in all directions;

triggering a picture division event if it is detected, within a first preset time, that the acceleration in any one said direction continuously changes between positive values and negative values;

counting the number of continuous changes between the positive values and the negative values of the acceleration within the first preset time to determine an area division number of the picture according to the number of continuous changes; and

dividing the picture displayed in the interface of the mobile terminal into multiple image areas based on the area division number of the picture.

10. The mobile terminal according to Claim 9, wherein the processor executes the computer-readable instruction to further implement the following steps:

detecting the accelerations of the mobile terminal in the all directions; and

horizontally moving the scaled image area according to a current inclination direction and a current inclination angle of the mobile terminal if it is not detected, within the first preset time, that the acceleration in any said direction changes between positive values and negative values.

11. The mobile terminal according to Claim 9, wherein the step of performing focus switching among the multiple image areas according to the inclination direction and the inclination angle comprises:

generating a detection box which is initially located in one said image area in the picture; and

controlling the detection box to move among the multiple image areas according to the inclination direction and the inclination angle.

12. The mobile terminal according to Claim 9, wherein the processor executes the computer-readable instruction to further implement the following steps:

sending out a prompt message when a calibration event is triggered, wherein the prompt message is used for reminding a user to maintain the mobile terminal at a common inclination angle within a second preset time, and the common inclination angle is an inclination angle at which the mobile terminal is used by the user most frequently; and

detecting an inclination angle of the mobile terminal within the second preset time, and identifying the inclination angle as a reference angle used for detecting the inclination direction and the inclination angle of the mobile terminal.

13. A computer-readable storage medium, having a computer-readable instruction stored therein, wherein the computer-readable instruction is executed by the at least one processor to

implement the following steps:

dividing a picture displayed in an interface of a mobile terminal into multiple image areas;

detecting an inclination direction and an inclination angle of the mobile terminal;

performing focus switching among the multiple image areas according to the inclination direction and the inclination angle;

if it is detected that the inclination direction is the same as a preset direction, triggering an image area selecting operation so as to select, in the interface, an image area where a focus stays, wherein the preset direction is a direction which is preset corresponding to the image area selecting operation;

acquiring a picture scaling factor that simultaneously corresponds to the inclination direction and the inclination angle; and

scaling the selected image area based on the picture scaling factor,

wherein the step of dividing the picture displayed in the interface of the mobile terminal into multiple image areas comprises:

detecting accelerations of the mobile terminal in all directions;

triggering a picture division event if it is detected, within a first preset time, that the acceleration in any one said direction continuously changes between positive values and negative values;

counting the number of continuous changes between the positive values and the negative values of the acceleration within the first preset time to determine an area division number of the picture according to the number of continuous changes; and

dividing the picture displayed in the interface of the mobile terminal into multiple image areas based on the area division number of the picture.

14. The computer-readable storage medium according to Claim 13, wherein the computer-readable instruction is executed by the at least one processor to further implement the following steps:

detecting the accelerations of the mobile terminal in the all directions; and

horizontally moving the scaled image area according to a current inclination direction and a current inclination angle of the mobile terminal if it is not detected, within the first preset time, that the acceleration in any said direction changes between positive values and negative values.

15. The computer-readable storage medium according to Claim 13, wherein the step of performing focus switching among the multiple image areas according to the inclination direction and the inclination angle comprises:

generating a detection box which is initially located in one said image area in the picture; and

controlling the detection box to move among the multiple image areas according to the inclination direction and the inclination angle.

16. The computer-readable storage medium according to Claim 13, wherein the computer-readable instruction is executed by the at least one processor to implement the following step:

performing focus switching among the multiple image areas according to the inclination direction and the inclination angle, wherein this step comprises:

generating a detection box which is initially located in one said image area in the picture; and

controlling the detection box to move among the multiple image areas according to the inclination direction and the inclination angle.