

VIDEO RECORDING METHOD AND VIDEO RECORDING TERMINAL

TECHNICAL FIELD

[0001] The present disclosure relates to the technical field of video recording, and more particularly, relates to a video recording method and a video recording terminal.

BACKGROUND

[0002] With constant developments of the video technologies, various video sharing platforms have emerged for netizens to enjoy self-created videos uploaded thereto. Traditional video sharing platforms allow users to add various special effects to videos during recording the videos to make the self-created videos more interesting, and attract the netizens to click and enjoy them. In the self-created videos, a video production mode that two or more videos are spliced into the same video is more popular among the users. For example, the users take videos of themselves first, and then continue to record videos in the same pose after adjusting their own appearances, which seems instant dressing up with full of fun. However, it is difficult for the users who continue the recording to align the last pose of the previous video, which reduces the naturalness of the transition of the video. These videos are obviously not interesting enough, which gradually declines the interest of the netizens. As a result, it is difficult for the self-created videos to attract the netizens, thereby reducing the click-through rate of the self-created videos.

SUMMARY

[0003] The present disclosure is intended to solve at least one of the above-mentioned technical defects, particularly the technical defect that alignment is difficult in the case of continuing video recording.

[0004] The present disclosure provides a video recording method. The method includes following steps:

[0005] recording a video upon receipt of a record instruction input by a user, then pausing the recording upon receipt of a pause instruction input by the user, and generating a first video file;

[0006] continuing to display a dynamic image which is being captured by an image sensor in real time, and displaying a last frame image of the first video file subjected to transparency processing on the dynamic image in a superimposition manner;

[0007] continuing to record the video upon receipt of a continue-to-record instruction input by the user, then stopping the recording upon receipt of a stop instruction input by the user, and generating a second video file; and

[0008] splicing the first video file and the second video file into a target video file.

[0009] In one embodiment, pausing the recording upon receipt of the pause instruction input by the user includes: pausing the recording upon receipt of the pause instruction input by the user, and acquiring and storing first orientation data captured, at the very moment, by an angular velocity sensor; and

[0010] displaying the last frame image on the dynamic image in the superimposition manner includes: displaying the last frame image on the dynamic image in the a superimposition manner, and sending a corresponding prompt to the user according to a matching relationship between the first orientation data and second orientation data detected, in real time, by the angular velocity sensor.

[0011] In one embodiment, displaying the last frame image on the dynamic image in the in superimposition manner includes:

[0012] displaying the last frame image on the dynamic image in the superimposition manner, and sending a corresponding prompt to the user according to similarity between any frame image of the dynamic image and the last frame image.

[0013] In one embodiment, before splicing the first video file and the second video file into the target video file, the method further includes adding an animation special effect into the first video file and/or the second video file.

[0014] In one embodiment, before splicing the first video file and the second video file into the target video file, the method further includes performing frame insertion or frame extraction processing on the first video file and/or the second video file.

[0015] In one embodiment, before displaying the last frame image subjected to transparency processing, the method further includes outlining major elements in image content of the last frame image.

[0016] In one embodiment, when the record instruction input by the user is received, the video is recorded upon countdown to run out a first preset time, and/or when the continue-to-record instruction input by the user is received, recording of the video continues upon countdown to run out a second preset time.

[0017] In one embodiment, a recording progress component with a time mark is displayed during recording the video.

[0018] In one of the embodiments, after the first video file is generated, the video is re-recorded and the first video file is regenerated when a re-record instruction input by the user is received; and/or

[0019] after the second video file is generated, the video is re-recorded and the second video file is regenerated when the re-record instruction input by the user is received.

[0020] The present disclosure also provides a video recording terminal. The terminal includes:

[0021] a display;

[0022] one or more processors;

[0023] a memory; and

[0024] one or more applications stored in the memory, and configured to be executed by the one or more processors and to execute the video recording method as defined in any of the embodiments.

[0025] According to the above video recording method and terminal, a video is recorded upon receipt of a record instruction input by a user; then the recording is paused upon receipt of a pause instruction input by the user; and a first video file is generated. A dynamic image which is being captured by an image sensor in real time continues to be displayed, and a last frame image of the first video file subjected to transparency processing displayed on the dynamic image in a superimposition manner. The video continues to be recorded upon receipt of a continue-to-record instruction input by the user, then the recording is stopped upon receipt of a stop instruction input by the user, and a second video file is generated. The first video file and the second video file are spliced into a target video file. When the user continues to record the video, the user may position an image via the last frame image retained when the first video is recorded therebefore, such that a subsequently recorded second video may join well with the previously recorded first video, thereby realizing a continue-to-record function for an incomplete video. As a result, the transition of the finally

spliced target video is more natural, thereby increasing the interest in self-created videos, and thus increasing the click-through rate of a self-created video.

[0026] Additional aspects and advantages of the present disclosure are described in the following description, and become apparent from the following description or may be understood by practicing the present disclosure.

BRIEF DESCRIPTION OF THE DRAWINGS

[0027] The above and/or additional aspects and advantages of the present disclosure may become apparent and easily understood from the following description of the embodiments with reference to the accompanying drawings, in which:

[0028] FIG. 1 is a flowchart of a video recording method according to an embodiment of the present disclosure; and

[0029] FIG. 2 is a block diagram showing a partial structure of a mobile phone related to a terminal according to an embodiment of the present disclosure.

DETAILED DESCRIPTION

[0030] Embodiments of the present disclosure are described in detail herein, examples of which are illustrated in the accompanying drawings. The reference numbers which are the same or similar throughout the accompanying drawings represent the same or similar elements or elements with the same or similar functions. The embodiments described below with reference to the accompanying drawings are illustrative for the purpose of explaining the present disclosure only and are not to be construed as limitations to the present disclosure.

[0031] It can be understood by those skilled in the art that the singular forms "a", "an", "the" and "said" are intended to include the plural forms as well, unless otherwise clearly indicated in the context. It should be further understood that the expression "include/comprise" used in the description of the present disclosure means there exists the feature, integer, step, operation, element and/or component, but could not preclude existing or adding one or more other features, integers, steps, operations, elements, components and/or groups thereof.

[0032] Those skilled in the art would appreciate that all terms (including technical terms and scientific terms) as used herein have the same meanings as commonly understood by those of ordinary skill in the art of the present disclosure, unless

otherwise clearly indicated in the context. It also should be understood that terms such as those defined in the general dictionary should be understood to have the meanings consistent with the meanings in the context of the prior art, and may not be interpreted in an idealized or overly formal meaning unless specifically defined as herein.

[0033] It can be understood by those skilled in the art that the "terminal" and the "terminal device" as used herein include not only a device of a wireless signal receiver which has no transmitting capability, but also a device for receiving and transmitting hardware which can perform a two-way communication on a two-way communication link. The device may include: a cellular device or other communication devices with a single-line display and with or without a multi-line display; a Personal Communications Service (PCS) capable of combining voice, data processing, fax and/or data communication capabilities; a Personal Digital Assistant (PDA) that may include a radio frequency receiver, a pager, an Internet/Intranet accessor, a web browser, a notepad, a calendar and/or a Global Positioning System (GPS) receiver; and a conventional laptop and/or palmtop computer or other devices having and/or including the radio frequency receiver. The "terminal" and the "terminal device" as used herein may be portable, transportable and mounted in vehicles (aerospace, sea and/or land), or may be suitable and/or configured for local operations, and/or may run in any other locations of the earth and/or space in a distributed manner. The "terminal" and the "terminal device" as used herein may be a communication terminal, an Internet terminal and a music/video playback terminal, e.g., a PDA, an Mobile Internet Device (MID) and/or a mobile phone with a music/video playback function, and may also be such device as a smart television or a set top box.

[0034] FIG. 1 is a flowchart of a video recording method according to an embodiment.

[0035] The present disclosure provides a video recording method. The video recording method is applied to a mobile terminal, and includes the following steps S100 to S400.

[0036] In step S100, a video is recorded upon receipt of a record instruction input by a user (e.g., the user taps a record button), then the recording is paused upon receipt of a pause instruction input by the user (e.g., the user taps a pause button), and a first video file is generated. In some embodiments, the first video file may be a cache file recorded in a memory.

[0037] In some embodiments, the video is recorded immediately upon receipt of the record instruction input by the user. In some other embodiments, the video is recorded upon countdown to run out a first preset time, for example, 3 seconds, when the record instruction input by the user is received.

[0038] During recording the video, a recording progress component with a time mark, for example, a recording progress bar, may be displayed to display a recording progress in real time. The recording progress bar is provided with a time mark, such that the user can know the recording time of the video conveniently. The recording process bar is paused synchronously when the recording is paused upon receipt of the pause instruction input by the user.

[0039] In order to facilitate the user to position an image during continued recording, the recording may be paused upon receipt of the pause instruction input by the user, and simultaneously, first orientation data captured by an angular velocity sensor (gyroscope) at the very moment (namely, time at which the recording is paused) is acquired and stored. The first orientation data records a current orientation, for example, an inclination, of a terminal. In some embodiments, directional data captured by a magnetic sensor at the very moment may be acquired and stored simultaneously. During the continued recording, the user may be instructed to adjust an orientation, for example, an inclination or direction, of the terminal based on the first orientation data.

[0040] In order to facilitate the user dissatisfied with the recorded video to re-record the video, in some embodiments, after the first video file is generated, the video may be re-recorded and the first video file is regenerated when a re-record instruction input by the user (e.g., the user taps a re-record button) is received. The original first video file may be deleted or replaced with the regenerated first video file.

[0041] In some other embodiments, after the first video file is generated, the first video file may be deleted after a delete instruction input by the user (e.g., the user taps a delete button) is received. Then, the video is re-recorded and the first video file is regenerated when the re-record instruction input by the user is received (e.g., the user taps the record button again).

[0042] In some embodiments, an instruction of the user may be received to add animation special effect contents to the first video file to increase the interestingness of the video.

[0043] Step S200 is executed after the first video file is generated.

[0044] In step S200, a dynamic image captured, in real time, by an image sensor continues be displayed, and a last frame image of the first video file subjected to transparency processing is displayed on the dynamic image in a superimposition manner.

[0045] After the recording is paused, the image sensor may still capture the dynamic image but not store the dynamic image as a video file. For example, the image sensor of a mobile phone or a camera may be started to capture screen images in real time, but the screen images captured by the image sensors in real time may not be stored as pictures or video files until the user taps a shoot button or record button.

[0046] The terminal continues to display the dynamic image in real time, and the dynamic image is for the user to observe a scene to be recorded. During displaying the dynamic image, the last frame image may be displayed on the dynamic image in the superimposition manner. The last frame image is subjected to transparency processing. For example, the last frame image may be translucent, which is equivalent to that the dynamic image is covered with a translucent picture when it is displayed, such that the user may still see, through the translucent last frame image, the dynamic image that are being captured by the image sensor in real time. Thus, the user may conveniently position an image via the translucent last frame image during the continued recording. That is, the user may determine the start time for continued recording by comparing the dynamic image with the last frame image. Therefore, a transition between a first video and a second video may be more natural.

[0047] In some embodiments, before displaying the last frame image subjected to transparency processing, major elements in the image content of the last frame image may be outlined. For example, if the major element in the image content of the last frame image is a person image, the person image in the last frame image may be outlined, such that the user may position the image more conveniently.

[0048] In some embodiments, during displaying the last frame image on the dynamic image in the superimposition manner, a corresponding prompt may be sent to the user according to a matching relationship between the first orientation data described above and a second orientation data currently detected by the angular velocity sensor in real time. For example, when a pose of the user holding the terminal does not match a pose of the user at the moment when the recording is paused, the current dynamic image naturally may not match the last frame image. Therefore, a matching degree or similarity between the dynamic image and the last frame image can be

analyzed by comparing the first orientation data with the second orientation data, so as to prompt the user to make corresponding adjustments. For example, the user is prompted to incline in a certain direction or at a certain inclination angle, or the user is prompted to adjust the orientation of the terminal. When the first orientation data and the second orientation data are compared to determine that the dynamic image matches or is similar to the last frame image, the user may be prompted to continue the recording.

[0049] However, in some other embodiments, a corresponding prompt may be sent to the user according to the similarity between any frame image of the dynamic image and the last frame image while displaying the last frame image on the dynamic image in the superimposition manner. That is, in these embodiments, the user is prompted by directly determining the matching degree or similarity between the dynamic image and the last frame image via image analysis, and the user may be prompted to continue the recording when the matching degree or similarity between the dynamic image (e.g., a certain frame) and the last frame image reaches a preset condition.

[0050] In step S300, the video continues to be displayed when a continue-to-record instruction input by the user (e.g., the user taps the record button again) is received, then the recording is stopped when a stop instruction input by the user is received, and a second video file is generated. In some embodiments, the second video file may be a cache file recorded in a memory.

[0051] In some embodiments, the video is recorded as soon as the continue-to-record instruction input by the user is received. However, in some other embodiments, the video is recorded upon countdown to run out a second preset time, for example, 3 seconds, when the continue-to-record input by the user is received. During recording the video, a recording progress component with a time mark, for example, a recording progress bar, may be displayed to display the recording progress in real time.

[0052] Likewise, in order to facilitate the user dissatisfied with the recorded video to re-record, in some embodiments, after the second video file is generated, the video may be re-recorded and the second video file is regenerated when a re-record instruction input by the user (for example, the user taps a re-record button) is received. The original second video file may be deleted or replaced with the regenerated second video file.

[0053] In some other embodiments, after the second video file is generated, the second video file may be deleted after a delete instruction input by the user (e.g., the

user taps a delete button) is received. Then, the video is re-recorded and the second video file is regenerated when the re-record instruction input by the user is received (e.g., the user taps the record button again).

[0054] In some embodiments, an instruction of the user may be received to add animation special effect contents to the second video file to increase the interestingness of the video.

[0055] In step S400, the first video file and the second video file are spliced into a target video file. The target video file may be a cache file in a memory. The target video file is shared or is stored locally or in a cloud server when a share instruction or store instruction input by the user is received. The first video file and the second video file may be spliced into the target video file after a splice instruction input by the user is received, or, the first video file and the second video file may be automatically spliced into the target video file after step S300, which is not limited herein.

[0056] Certainly, after the target video file is generated, image processing may be performed on the target video file. For example, animation special effects may be added. Image signal processing includes but is not limited to at least one of the following operations: black reduction, lens roll-off correction, channel gain adjustment, defective pixel correction, demosaicing, cropping, scaling, white balance, color correction, brightness adaptation, color conversion and image contrast enhancement.

[0057] Alternatively, in order to accelerate or decelerate content playing of a first video or a second video of the target video file, in some embodiments, frame insertion or frame extraction processing may be performed on the first video file and/or the second video file before the first video file and the second video file are spliced into the target video file. Frame insertion processing may include inserting repeated frames into frames of the video, whereby the time span of the video is increased accordingly, and actions become slower in the view of the user. Frame extraction processing may include uniformly extracting and discarding some of the video frames (e.g., extracting odd-number or even-number frames), whereby the time span of the video is reduced accordingly, and the actions become faster in the view of the user.

[0058] Certainly, there also may be a case where multiple video files are generated after multiple recordings are performed. In this case, the multiple video files need to be spliced, which is not repeated herein.

[0059] In an embodiment, the present disclosure further provides a video recording terminal. The video recording terminal includes: one or more processors; a memory; and one or more applications stored in the memory and are configured to be executed by the one or more processors such that the one or more applications implement the video recording method according to any of the above embodiments.

[0060] An embodiment of the present disclosure also provides a mobile terminal. As shown in FIG. 2, for the convenience of description, only the parts related to the embodiments of the present disclosure are shown. For the specific technical details not disclosed, reference can be made to the method embodiments of the present disclosure. The terminal may be any terminal device including a mobile phone, a tablet computer, a PDA, a Point of Sales (POS) machine, an onboard computer. The terminal being a mobile phone is taken as an example.

[0061] FIG. 2 is a block diagram showing a partial structure of a mobile phone related to the terminal provided by an embodiment of the present disclosure. Referring to FIG. 2, the mobile phone includes: a radio frequency (RF) circuit 1510, a memory 1520, an input unit 1530, a display unit 1540, a sensor 1550, an audio circuit 1560, a wireless fidelity (Wi-Fi) module 1570, a processor 1580, a power supply 1590 and other components. It may be understood by those skilled in the art that the structure of the mobile phone shown in FIG. 2 does not constitute a limitation to the mobile phone, and may include more or less components than those illustrated, or a combination of some components, or different component arrangements.

[0062] The following describes the respective components of the mobile phone in detail with reference to FIG. 2.

[0063] The RF circuit 1510 may be configured to receive and transmitting during the reception or transmission of information or during a call. Specifically, the RF circuit 1510 receives downlink information from a base station for the processing of the processor 1580, and additionally sends data designed for the uplink to the base station. Generally, the RF circuit 1510 includes, but is not limited to, an antenna, at least one amplifier, a transceiver, a coupler, a Low Noise Amplifier (LNA), a duplexer, and the like. In addition, the RF circuitry 1510 may also communicate with the network and other devices via wireless communication. The above wireless communication may use any communication standard or protocol, including but not limited to Global System of Mobile communication (GSM), General Packet Radio Service (GPRS), Code Division Multiple Access (CDMA), Wideband Code Division Multiple Access

(WCDMA), Long Term Evolution (LTE), E-mail, Short Messaging Service (SMS), and the like.

[0064] The memory 1520 may be configured to store software programs and modules. The processor 1580 runs various functional applications and data processing of the mobile phone by running the software programs and modules stored in the memory 1520. The memory 1520 may mainly include a program storage area and a data storage area. The program storage area may store an operating system, an application required for at least one function (such as a voiceprint playing function, an image playing function, etc.), and the like. The data storage area may store data (such as audio data, a directory, etc.) created according to the usage of the mobile phone. Moreover, the memory 1520 may include a high-speed random-access memory, and may also include a non-volatile memory, such as at least one magnetic disk memory, flash memory device, or other volatile solid-state memory.

[0065] The input unit 1530 may be configured to receive input numeric or character information and to generate key signal inputs related to user settings and function controls of the mobile phone. Specifically, the input unit 1530 may include a touch panel 1531 and other input device 1532. The touch panel 1531, also referred to as a touch screen, may collect touch operations of the user on or near the touch panel (for example, the user uses any proper article or accessory such as a finger, a stylus, or the like to operate on the touch panel 1531 or near the touch panel 1531), and drive a corresponding connecting device according to a preset program. Optionally, the touch panel 1531 may include two parts: a touch detection device and a touch controller. The touch detection device detects the touch orientation of the user, detects a signal generated by the touch operation, and transmits the signal to the touch controller. The touch controller receives the touch information from the touch detection device, converts the touch information into contact coordinates, and sends same to the processor 1580. The touch controller may further receive commands from the processor 1580 and execute them. In addition, the touch panel 1531 may be implemented in various types such as resistive type, capacitive type, infrared ray, and surface acoustic waves. In addition to the touch panel 1531, the input unit 1530 may also include other input device 1532. Specifically, other input device 1532 may include, but are not limited to, one or more of a physical keyboard or keypad, a function key (such as a volume control button, a switch button, etc.), a trackball, a mouse, a joystick, and the like.

[0066] The display unit 1540 may be configured to display information input by the user or information provided to the user as well as various menus of the mobile phone. The display unit 1540 may include a display panel 1541. Alternatively, the display panel 1541 may be configured in the form of a liquid crystal display (LCD), an organic light-emitting diode (OLED), or the like. Further, the touch panel 1531 may cover the display panel 1541. After the touch panel 1531 detects a touch operation on or near the touch panel, the touch panel 1531 transmits same to the processor 1580 to determine the type of the touch event. Then the processor 1580, according to the type of the touch event, provides a corresponding visual output on the display panel 1541. Although in FIG. 2, the touch panel 1531 and the display panel 1541 are used as two independent components to implement the input and output functions of the mobile phone, in some embodiments, the touch panel 1531 and the display panel 1541 may be integrated to realize the input and output functions of the mobile phone.

[0067] The mobile phone may also include at least one type of sensor 1550, such as a light sensor, a motion sensor, and other sensors. Specifically, the light sensor may include an ambient light sensor and a proximity sensor. The ambient light sensor may adjust the brightness of the display panel 1541 according to the brightness of the ambient light. The proximity sensor may close the display panel 1541 and/or the backlight when the mobile phone moves to the ear. As a kind of motion sensor, an accelerometer sensor may detect the acceleration of each direction (usually three axes), may detect the magnitude and direction of gravity at rest, which may be used for an application that identifies the gesture of the mobile phone (such as horizontal and vertical screen switching, related game, magnetometer attitude calibration) and vibration recognition related functions (such as pedometer, tapping), or the like. Other sensors such as gyroscopes, barometers, hygrometers, thermometers, infrared sensors, or the like that may be equipped on mobile phones is not described herein.

[0068] An audio circuit 1560, a speaker 1561, and a microphone 1562 may provide an audio interface between the user and the mobile phone. The audio circuit 1560 may transmit the converted electrical data of the received audio data to the speaker 1561, and the speaker 1561 converts it into a voiceprint signal output. On the other hand, the microphone 1562 converts the captured voiceprint signal into an electrical signal, the electrical signal is received by the audio circuit 1560 and converted to audio data, and the audio data is output to the processor 1580 for processing and is further transmitted

to the other mobile device via the RF circuit 1510, or the audio data is output to the memory 1520 for further processing.

[0069] Wi-Fi is a short-range wireless transmission technology. The mobile phone may help users to send and receive e-mail, browse web pages and access streaming media through Wi-Fi module 1570. The Wi-Fi module 1570 provides users with wireless broadband Internet access. Although FIG. 2 shows the Wi-Fi module 1570, it may be understood that the Wi-Fi module does not belong to the essential configuration of the mobile phone, and may be omitted as needed within the scope of not changing the essence of the present disclosure.

[0070] The processor 1580 is the control center for the mobile phone that connects various portions of the entire mobile phone using various interfaces and lines. The processor 1580 executes various functions and processing data of the mobile phone by running or executing the software programs and/or modules stored in the memory 1520 and invoking data stored in the memory 1520, so as to realize overall monitoring of the mobile phone. Optionally, the processor 1580 may include one or more processing units. Preferably, the processor 1580 may integrate an application processor and a modem processor. The application processor mainly processes an operating system, a user interface, an application, and the like. The modem processor primarily handles wireless communications. It would be appreciated that the above described modem processor may also not be integrated into the processor 1580.

[0071] The mobile phone also includes a power supply 1590 (such as a battery) that supplies power to the various components. Preferably, the power supply may be logically connected to the processor 1580 via a power management system, thereby enabling management of charging, discharging, and power consumption via the power management system.

[0072] Although not shown, the mobile phone may further include a camera, a Bluetooth module, and the like, and details are not described herein again.

[0073] In the embodiments of the present disclosure, the processor 1580 included in the terminal may further implement the following functions: recording a video upon receipt of a record instruction input by a user, pausing the recording upon receipt of a pause instruction input by the user, and generating a first video file; continuing to display a dynamic image which is being captured by an image sensor in real time, and displaying a last frame image of the first video file subjected to transparency processing on the dynamic image in a superimposition manner; continuing to record

the video upon receipt of a continue-to-record instruction input by the user, stopping the recording upon receipt of a stop instruction input by the user, and generating a second video file; and splicing the first video file and the second video file into a target video file. That is, the processor 1580 has the function of performing the video recording method of any of the above embodiments, which is not repeated herein.

[0074] According to the above video recording method and terminal, a video is recorded upon receipt of a record instruction input by a user; the recording is paused upon receipt of a pause instruction input by the user; and a first video file is generated. A dynamic image captured by an image sensor in real time continues to be displayed, and a last frame image of the first video file subjected to transparency processing is displayed on the dynamic image in a superimposition manner. The video continues to be recorded upon receipt of a continue-to-record instruction input by the user, then the recording is stopped upon receipt of a stop instruction input by the user, and a second video file is generated. The first video file and the second video file are spliced into a target video file. When the user continues to record the video, the user may position an image via the last frame image retained when the first video is recorded therebefore, such that a subsequently recorded second video may join well with the previously recorded first video, thereby realizing a continued-to-record function for an incomplete video. As a result, the transition of the finally spliced target video is more natural, increasing the interest in self-created videos, and thus increasing the click-through rate of a self-created video.

[0075] It should be understood that although the various steps in the flowchart of the drawings are sequentially displayed as indicated by the arrows, these steps are not necessarily performed in the order indicated by the arrows. Except as explicitly stated herein, the execution of these steps is not strictly limited, and may be performed in other sequences. Moreover, at least some of the steps in the flowchart of the drawings may include a plurality of sub-steps or a plurality of stages, which are not necessarily performed at the same time, but may be executed at different time. The execution order thereof is also not necessarily performed sequentially, but may be performed alternately with at least a portion of other steps or sub-steps or stages of other steps.

[0076] Described above are some embodiments of the present disclosure, and it should be noted that those of ordinary skill in the art may also make several improvements and modifications without departing from the principles of the present

disclosure which should be considered as the scope of protection of the present disclosure.

CLAIMS

What is claimed is:

1. A video recording method, comprising following steps:

recording a video upon receipt of a record instruction input by a user, pausing the recording upon receipt of a pause instruction input by the user, and generating a first video file;

continuing to display a dynamic image which is being captured by an image sensor in real time, and displaying a last frame image of the first video file subjected to transparency processing on the dynamic image in a superimposition manner;

continuing to record the video upon receipt of a continue-to-record instruction input by the user, stopping the recording upon receipt of a stop instruction input by the user, and generating a second video file; and

splicing the first video file and the second video file into a target video file.

2. The method according to claim 1, wherein pausing the recording upon receipt the pause instruction input by the user comprises: pausing the recording upon receipt of the pause instruction input by the user, and acquiring and storing first orientation data captured, at the very moment, by an angular velocity sensor; and

displaying the last frame image on the dynamic image in the superimposition manner comprises: displaying the last frame image on the dynamic image in the superimposition manner, and sending a corresponding prompt to the user according to a matching relationship between the first orientation data and second orientation data detected, in real time, by the angular velocity sensor.

3. The method according to claim 1, wherein displaying the last frame image on the dynamic image in the superimposition manner comprises: displaying the last frame image on the dynamic image in the superimposition manner, and sending a corresponding

prompt to the user according to similarity between any frame image of the dynamic image and the last frame image.

4. The method according to claim 1, wherein before splicing the first video file and the second video file into the target video file, the method further comprises: adding an animation special effect into the first video file and/or the second video file.

5. The method according to claim 1, wherein before splicing the first video file and the second video file into the target video file, the method further comprises: performing frame insertion or frame extraction processing on the first video file and/or the second video file.

6. The method according to claim 1, wherein before displaying the last frame image subjected to transparency processing, the method further comprises: outlining major elements in image contents of the last frame image.

7. The method according to claim 1, wherein the video is recorded upon countdown to run out a first preset time upon receipt of the record instruction input by the user, and/or recoding of the video is continued upon countdown to run out a second preset time upon receipt of the continue-to-record instruction input by the user.

8. The method according to claim 1, wherein a recording progress component with a time mark is displayed during recording the video.

9. The method according to claim 1, wherein after generating the first video file, the video is re-recorded and the first video file is regenerated when a re-record instruction input by the user is received; and/or

after generating the second video file, the video is re-recorded and the second video file is regenerated when the re-record instruction input by the user is received.

10. A video recording terminal, comprising:

a display;

one or more processors;

a memory; and

one or more applications stored in the memory, and configured to be executed by the one or more processors and to perform the video recording method as defined in any of claims 1 to 9.