CLAIMS

1. A video recording method, comprising:

acquiring speed varying information of a speed-varied video, wherein the speed varying information is used to represent a playing speed change of the speed-varied video;

performing reverse speed-varying processing on the speed-varied video according to the speed varying information to obtain an original speed video;

displaying the original speed video, and synchronously performing video shooting to generate an original speed target video, wherein a playing speed of the original speed video is the same as a shooting speed of performing video shooting; and

performing speed varying processing on the original speed target video according to the speed varying information to obtain a target speed-varied video, wherein a playing speed change of the target speed-varied video is consistent with a playing speed change of the speed-varied video.

2. The method according to claim 1, wherein performing the reverse speed-varying processing on the speed-varied video according to the speed varying information to obtain the original speed video comprises:

determining a playing timestamp of the speed-varied video according to the speed varying information, wherein the playing timestamp is a timestamp for playing the speed-varied video at an original speed;

determining a video frame corresponding to the playing timestamp of the speed-varied video; and

generating the original speed video according to the video frame.

3. The method according to claim 2, wherein the speed varying information comprises a speed varying anchor point of the speed-varied video and a playing speed corresponding to the speed varying anchor point; and determining the playing timestamp of the speed-varied video according to the speed varying information comprises:

determining a first time interval according to the speed varying anchor point of the speed-varied video;

determining a time step length corresponding to the speed varying anchor point according to an integral of the playing speed corresponding to the speed varying anchor point of the speed-varied video over the first time interval; and

determining the playing timestamp of the speed-varied video according to the time step length.

4. The method according to claim 2, wherein determining the video frame corresponding to the playing timestamp of the speed-varied video comprises:

decoding the speed-varied video according to the playing timestamp to obtain the video frame corresponding to the playing timestamp;

and generating the original speed video according to the video frame comprises:

acquiring a preset recording timestamp, wherein the recording timestamp is used to represent a playing timestamp of the original speed video; and

determining a recording video frame corresponding to the recording timestamp according to a corresponding relationship between the recording timestamp and the playing timestamp, and synthesizing the original speed video from the recording video frame.

5. The method according to claim 2, wherein the speed-varied video comprises audio data, and the method further comprises:

determining a playing speed, of the audio data, corresponding to the playing timestamp; and

resampling the audio data according to the playing speed to obtain an audio frame corresponding to the playing timestamp;

and generating the original speed video according to the video frame comprises:

generating the original speed video according to the video frame and a corresponding audio frame.

6. The method according to claim 5, wherein resampling the audio data according to the playing speed to obtain the audio frame corresponding to the playing timestamp comprises:

acquiring a preset first audio sampling rate;

determining a second audio sampling rate according to the first audio sampling rate and the playing speed of the audio data; and

resampling the audio data according to the second audio sampling rate to obtain the audio

frame corresponding to the playing timestamp.

7. The method according to claim 5 or 6, wherein the method further comprises:

performing audio-video synchronization on the video frame and the audio frame.

8. A video recording device, comprising:

an acquiring unit, configured to acquire speed varying information of a speed-varied video, wherein the speed varying information is used to represent a playing speed change of the speed-varied video;

a reverse speed-varying unit, configured to perform reverse speed-varying processing on the speed-varied video according to the speed varying information to obtain an original speed video;

a generating unit, configured to display the original speed video, and synchronously perform video shooting to generate an original speed target video, wherein a playing speed of the original speed video is the same as a shooting speed of performing video shooting; and

a speed varying unit, configured to perform speed varying processing on the original speed target video according to the speed varying information to obtain a target speed-varied video, wherein a playing speed change of the target speed-varied video is consistent with a playing speed change of the speed-varied video.

9. The video recording device according to claim 8, wherein the reverse speed-varying unit is specifically configured to:

determine a playing timestamp of the speed-varied video according to the speed varying information, wherein the playing timestamp is a timestamp for playing the speed-varied video at an original speed;

determine a video frame corresponding to the playing timestamp of the speed-varied video; and

generate the original speed video according to the video frame.

10. The video recording device according to claim 9, wherein the speed varying information comprises a speed varying anchor point of the speed-varied video and a playing speed corresponding to the speed varying anchor point; when determining the playing timestamp of the speed-varied video according to the speed varying information, the reverse speed-varying unit is specifically configured to:

determine a first time interval according to the speed varying anchor point of the speed-varied video;

determine a time step length corresponding to the speed varying anchor point according to an integral of the playing speed corresponding to the speed varying anchor point of the speed-varied video over the first time interval; and

determine the playing timestamp of the speed-varied video according to the time step length.

11. The video recording device according to claim 9, when determining the video frame corresponding to the playing timestamp of the speed-varied video, the reverse speed-varying unit is specifically configured to:

decode the speed-varied video according to the playing timestamp to obtain the video frame corresponding to the playing timestamp;

and the speed varying unit is specifically configured to:

acquire a preset recording timestamp, wherein the recording timestamp is used to represent a playing timestamp of the original speed video; and

determine a recording video frame corresponding to the recording timestamp according to a corresponding relationship between the recording timestamp and the playing timestamp, and synthesize the original speed video from the recording video frame.

12. The video recording device according to claim 9, the speed-varied video comprises audio data, and the reverse speed-varying unit is further configured to:

determine a playing speed, of the audio data, corresponding to the playing timestamp; and

resample the audio data according to the playing speed to obtain an audio frame corresponding to the playing timestamp；

the speed varying unit is specifically configured to:

generate the speed-unvaried video according to the video frame and a corresponding audio frame.

13. The video recording device according to claim 12, when resampling the audio data according to the playing speed to obtain the audio frame corresponding to the playing timestamp, the reverse speed-varying unit is specifically configured to:

acquire a preset first audio sampling rate;

determine a second audio sampling rate according to the first audio sampling rate and the playing speed of the audio data; and

resample the audio data according to the second audio sampling rate to obtain the audio frame corresponding to the playing timestamp.

14. The video recording device according to claim 12 or 13, the speed varying unit is further configured to:

perform audio-video synchronization on the video frame and the audio frame.

15. An electronic device, comprising: at least one processor and a memory;

wherein the memory stores computer-executed instructions; and

the at least one processor executes the computer-executed instructions stored in the memory to cause the at least one processor to execute the video recording method according to any one of claims 1 to 7.

16. A computer-readable storage medium, wherein the computer-readable storage medium stores computer-executed instructions, and when a processor executes the computer-executed instructions, the video recording method according to any one of claims 1 to 7 is implemented.

17. A computer program product, comprising a computer program, wherein when the computer program is executed by a processor, the video recording method according to any one of claims 1 to 7 is implemented.