CLAIMS

1. A video generation method, comprising:

receiving a first trigger operation of generating a video using target music; and

in response to the first trigger operation, selecting candidate material matching the target music from a candidate material set of a user according to first music feature information of the target music, using the candidate material as target candidate material, and generating a target video according to the target candidate material, wherein the target video uses the target music as background music.

2. The method according to claim 1, wherein selecting the candidate material matching the target music from the candidate material set of the user according to the first music feature information of the target music and using the candidate material as the target candidate material comprise:

acquiring second music feature information of background music of each of a plurality of video templates, selecting a video template from the plurality of video template, and using the video template as a target video template, wherein second music feature information in the selected video template matches the first music feature information of the target music; and

determining the target candidate material according to a correlation between a material theme of each candidate material in the candidate material set of the user and a template theme of the target video template.

3. The method according to claim 2, wherein the target video template comprises a plurality of material slots for filling material, and

after determining the target candidate material according to the correlation between the material theme of the each candidate material in the candidate material set of the user and the template theme of the target video template, the method further comprises: sequentially acquiring target candidate material satisfying a filling condition of the plurality of material slots of the target video template, using target candidate material corresponding to each material slot of the plurality of material slots as to-be-filled material in each material slot, and filling the to-be-filled material in each material slot of the target video template; and

generating the target video according to the target candidate material comprises: generating the target video according to the target video template filled with the to-be-filled material.

4. The method according to claim 3, after filling the to-be-filled material in each material slot of

the target video template, further comprising:

displaying a preview page and displaying at least one piece of to-be-synthesized material in the target video template in the preview page, wherein the at least one to-be-synthesized material comprises the to-be-filled material.

5. The method according to claim 4, after displaying the preview page, further comprising:

receiving a second trigger operation applied to a template control in the preview page;

in response to the second trigger operation, displaying a template window, wherein a piece of template information of each of the plurality of video templates is displayed in the template window;

receiving a third trigger operation applied to a piece of template information corresponding to the third trigger operation and displayed in the template window; and

in response to the third trigger operation, switching the target video template to a video template to which the piece of template information corresponding to the third trigger operation belongs and updating the at least one to-be-synthesized material in the target video template.

6. The method according to claim 4 or 5, wherein generating the target video according to the target video template filled with the to-be-filled material comprises:

in a case where a fourth trigger operation of a video synthesis control applied to the preview page is received, using the target music as the background music and synthesizing the at least one to-be-synthesized material as the target video according to sequences of the at least one to-be-synthesized material in the target video template.

7. The method according to any one of claims 1 to 5, before selecting the candidate material matching the target music from the candidate material set of the user and using the candidate material as the target candidate material, further comprising:

acquiring material in an album of the user, wherein the album comprises at least one of a local album or an associated cloud album; and

selecting a plurality of pieces of material from the album according to an aesthetic score of material to form the candidate material set of the user.

8. A video generation apparatus, comprising:

a first receiving module configured to receive a first trigger operation of generating a video using target music; and

a video generation module configured to, in response to the first trigger operation, select candidate material matching the target music from a candidate material set of a user according to first music feature information of the target music, use the candidate material as target candidate material, and generate a target video according to the target candidate material, wherein the target video uses the target music as background music.

9. The apparatus according to claim 8, wherein the video generation module comprises:

a template acquisition unit configured to acquire second music feature information of background music of each of a plurality of video templates, select a video template from the plurality of video template, and use the video template as a target video template, wherein second music feature information in the selected video template matches the first music feature information of the target music; and

a material determination unit configured to determine the target candidate material according to a correlation between a material theme of each candidate material in the candidate material set of the user and a template theme of the target video template.

10. The apparatus according to claim 9, wherein the target video template comprises a plurality of material slots for filling material, and

the video generation module further comprises:

a material filling unit configured to, after determining the target candidate material according to the correlation between the material theme of the each candidate material in the candidate material set of the user and the template theme of the target video template, sequentially acquire target candidate material satisfying a filling condition of the plurality of material slots of the target video template, use target candidate material corresponding to each material slot of the plurality of material slots as to-be-filled material in each material slot, and fill the to-be-filled material in each material slot of the target video template; and

a video generation unit configured to generate the target video according to the target video template filled with the to-be-filled material.

11. The apparatus according to claim 10, wherein the video generation module further comprises:

a material display unit configured to, after filling the to-be-filled material in each material slot of

the target video template, display a preview page and display at least one piece of to-be-synthesized material in the target video template in the preview page, wherein the at least one to-be-synthesized material comprises the to-be-filled material.

12. The apparatus according to claim 11, wherein the video generation module further comprises:

a first receiving unit configured to, after displaying the preview page, receive a second trigger operation applied to a template control in the preview page;

a template display unit configured to, in response to the second trigger operation, display a template window, wherein a piece of template information of each of the plurality of video templates is displayed in the template window;

a second receiving unit configured to receive a third trigger operation applied to a piece of template information corresponding to the third trigger operation and displayed in the template window; and

a material updating unit configured to, in response to the third trigger operation, switch the target video template to a video template to which the piece of template information corresponding to the third trigger operation belongs and update the at least one to-be-synthesized material in the target video template.

13. The apparatus according to claim 11 or 12, wherein the video generation module is further configured to:

in a case where a fourth trigger operation of a video synthesis control applied to the preview page is received, use the target music as the background music and synthesize the at least one to-be-synthesized material as the target video according to sequences of the at least one to-be-synthesized material in the target video template.

14. The apparatus according to any one of claims 8 to 12, further comprises:

a material acquisition module configured to, before selecting the candidate material matching the target music from the candidate material set of the user and using the candidate material as the target candidate material, acquire material in an album of the user, wherein the album comprises at least one of a local album or an associated cloud album; and

a material screening module configured to select a plurality of pieces of material from the album according to an aesthetic score of material to form the candidate material set of the user.

~~9~~15. An electronic device, comprising:

at least one processor; and

a memory configured to store at least one program,

wherein when executing the at least one program, the at least one processor performs the video generation method according to any one of claims 1 to 7.

~~10~~16. A computer-readable storage medium, storing a computer program, wherein when executing the program, a processor performs the video generation method according to any one of claims 1 to 7.