CLAIMS

1. A video special effect configuration file generation method, comprising:

obtaining a reference image;

receiving a screen splitting processing operation of a user on the reference image;

performing screen splitting processing on the reference image based on the screen splitting processing operation to obtain a plurality of sub-screens; and

associating, in response to a special effect setting operation of the user on a target sub-screen among the plurality of sub-screens, at least one first special effect corresponding to the special effect setting operation with the target sub-screen, to generate a video special effect configuration file,

wherein the video special effect configuration file further comprises at least one second special effect that is predetermined and universal to each of the plurality of sub-screens, and

the method further comprises:

generating and storing a rendering link list corresponding to the video special effect configuration file,

wherein the rendering link list comprises a universal rendering link list and a sub-screen rendering link list, the universal rendering link list comprising a special effect node of each of the at least one second special effect and an execution order of each of the at least one second special effect, the sub-screen rendering link list comprising a special effect node of each of the at least one first special effect corresponding to the target sub-screen and an execution order of each of the at least one first special effect, wherein a first special effect node of the sub-screen rendering link list is connected to a last special effect node of the universal rendering link list.

2. The video special effect configuration file generation method according to claim 1, wherein the screen splitting processing operation comprises a screen splitting mode selection operation, and

wherein said performing the screen splitting processing on the reference image based on the screen splitting processing operation to obtain the plurality of sub-screens comprises:

performing the screen splitting processing on the reference image based on a screen splitting mode corresponding to the screen splitting mode selection operation on the reference image by the user, to obtain the plurality of sub-screens.

3. The video special effect configuration file generation method according to claim 1, wherein the screen splitting processing operation comprises a sub-screen copy operation, and

wherein said performing the screen splitting processing on the reference image based on the screen splitting processing operation to obtain the plurality of sub-screens comprises:

copying the reference image based on the sub-screen copy operation on the reference image by the user to obtain the plurality of sub-screens, each of the plurality of sub-screens displaying the reference image.

4. The video special effect configuration file generation method according to claim 1, wherein the screen splitting processing operation comprises a sub-screen splitting operation, and

wherein said performing the screen splitting processing on the reference image based on the screen splitting processing operation to obtain the plurality of sub-screens comprises:

splitting the reference image based on the sub-screen splitting operation on the reference image by the user to obtain the plurality of sub-screens, each of the plurality of sub-screens displaying a part of the reference image.

5. The video special effect configuration file generation method according to any one of claims 1 to 4, wherein the special effect setting operation comprises adding a special effect element to the target sub-screen.

6. The video special effect configuration file generation method according to any one of claims 1 to 4, wherein the special effect setting operation is implemented by:

receiving a size setting operation of the user on the target sub-screen; and

determining a size of the target sub-screen based on a size parameter corresponding to the size setting operation.

7. The video special effect configuration file generation method according to any one of claims 1 to 4, wherein the special effect setting operation is implemented by:

receiving a position setting operation of the user on the target sub-screen, and determining a position parameter corresponding to the target sub-screen based on the position setting

operation; and

determining a display position of the target sub-screen based on the position parameter.

8. A video rendering method, comprising:

displaying a list of video special effect configuration files in response to receiving a video shooting trigger operation of a user;

receiving a selection operation of the user on a video special effect configuration file in the list of video special effect configuration files, wherein the video special effect configuration file in the list of video special effect configuration files is generated by the video special effect configuration file generation method according to any one of the claims 1 to 7; and

processing, in response to receiving a video shooting operation of the user, a shot video by using a special effect and a screen splitting processing manner corresponding to the video special effect configuration file corresponding to the special effect selection operation.

9. A video special effect configuration file generation apparatus, comprising:

an obtaining module configured to obtain a reference image;

a receiving module configured to receive a screen splitting processing operation of a user on the reference image;

a screen splitting module configured to perform screen splitting processing on the reference image based on the screen splitting processing operation to obtain a plurality of sub-screens; and

a generating module configured to associate, in response to a special effect setting operation of the user on a target sub-screen among the plurality of sub-screens, at least one first special effect corresponding to the special effect setting operation with the target sub-screen, to generate a video special effect configuration file,

wherein the video special effect configuration file further comprises at least one second special effect that is predetermined and universal to each of the plurality of sub-screens, and

the generating module is further configured to:

generate and store a rendering link list corresponding to the video special effect configuration file,

wherein the rendering link list comprises a universal rendering link list and a sub-screen rendering link list, the universal rendering link list comprising a special effect node of

each of the at least one second special effect and an execution order of each of the at least one second special effect, the sub-screen rendering link list comprising a special effect node of each of the at least one first special effect corresponding to the target sub-screen and an execution order of each of the at least one first special effect, wherein a first special effect node of the sub-screen rendering link list is connected to a last special effect node of the universal rendering link list.

10. A video rendering apparatus, comprising:

a display module configured to display a list of video special effect configuration files in response to receiving a video shooting trigger operation of a user;

a receiving module configured to receive a selection operation of the user on a video special effect configuration file in the list of video special effect configuration files, wherein the video special effect configuration file in the list of video special effect configuration files is generated by the video special effect configuration file generation method according to any one of the claims 1 to 7; and

a processing module configured to process, in response to receiving a video shooting operation of the user, a shot video by using a special effect and a screen splitting processing manner corresponding to the video special effect configuration file corresponding to the special effect selection operation.

11. An electronic device, comprising:

one or more processors;

a memory; and

one or more application programs stored in the memory and configured to be executed by the one or more processors, the one or more programs being configured to implement the video special effect configuration file generation method according to any one of claims 1 to 7 or the video rendering method according to claim 8.

12. A computer-readable medium, having computer instructions stored thereon, wherein the computer instructions, when running on a computer, cause the computer to implement the video special effect configuration file generation method according to any one of claims 1 to 7 or the video rendering method according to claim 8.