CLAIMS

1. A method for processing a three-dimensional video, applied to a terminal device, wherein the method comprises:

sending at least one initial two-dimensional image to a server, which enables the server to generate an initial three-dimensional video according to the at least one initial two-dimensional image;

receiving the initial three-dimensional video sent by the server; and

performing processing on the initial three-dimensional video to obtain a target three-dimensional video;

wherein before the sending the at least one initial two-dimensional image to the server, the method further comprises:

acquiring a target model according to the received model selecting instruction, wherein the model selecting instruction comprises target model information for indicating the target model, and the target model is used to indicate a format of the target three-dimensional video;

determining image parameters comprised in the target model; and

determining the at least one initial two-dimensional image which matches the image parameters.

2. The method according to claim 1, wherein the performing processing on the initial three-dimensional video to obtain the target three-dimensional video comprises:

decoding the initial three-dimensional video according to decoding parameters to obtain an initial image frame set of the initial three-dimensional video; and

performing processing on the initial image frame set according to configuration parameters to obtain the target three-dimensional video.

3. The method according to claim 2, wherein the configuration parameters comprise at least one of the following parameters: rendering parameters and splicing parameters, and the performing processing on the initial image frame set according to the configuration parameters to obtain the target three-dimensional video comprises:

performing rendering on at least one initial image frame in the initial image frame set according to the rendering parameters to obtain the rendered image frame set, and performing splicing on image frames in the rendered image frame set according to the splicing parameters to obtain the target three-dimensional video; or,

performing rendering on at least one initial image frame in the initial image frame set according to the rendering parameters to obtain the target three-dimensional video; or,

performing splicing on initial image frames in the initial image frame set according to the splicing parameters to obtain the target three-dimensional video.

4. The method according to claim 3, wherein the performing processing on the initial three-dimensional video to obtain the target three-dimensional video further comprises:

determining a rendering space and/or a time axis;

the performing processing on the initial image frame set according to the configuration parameters to obtain the target three-dimensional video comprises:

according to the rendering parameters, performing rendering on the at least one initial image frame in the initial image frame set in the rendering space to obtain the rendered image frame set, and according to a time sequence indicated by the time axis, performing splicing on the image frames in the rendered image frame set according to the splicing parameters to obtain the target three-dimensional video; or,

performing rendering on the at least one initial image frame in the initial image frame set in the rendering space according to the rendering parameters to obtain the target three-dimensional video; or,

according to an indication of the time axis, performing splicing on the initial image frames in the initial image frame set according to the splicing parameters to obtain the target three-dimensional video.

5. The method according to claim 1, wherein the acquiring the target model according to the received model selecting instruction comprises:

in response to the model selecting instruction, searching the terminal device for

the target model corresponding to the target model information;

when the target model does not exist on the terminal device, sending a request to the server, which enables the server to determine and send the target model; and

receiving the target model sent by the server.

6. The method according to claim 2, wherein after the decoding the initial three-dimensional video according to the decoding parameters to obtain the initial image frame set of the initial three-dimensional video, the performing processing on the initial three-dimensional video to obtain the target three-dimensional video further comprises:

determining a display order of each initial image frame in the initial image frame set according to a preset rule; and

the performing processing on the initial image frame set according to the configuration parameters to obtain the target three-dimensional video comprises:

according to the configuration parameters, performing processing on the initial image frames in the initial image frame set according to the display order to obtain the target three-dimensional video.

7. A method for processing a three-dimensional video, applied to a server, wherein the method comprises:

receiving at least one initial two-dimensional image sent by a terminal device, and generating an initial three-dimensional video according to the at least one initial two-dimensional image; and

sending the initial three-dimensional video to the terminal device, which enables the terminal device to perform processing on the initial three-dimensional video to obtain a target three-dimensional video;

wherein before the receiving the initial two-dimensional image sent by the terminal device, the method further comprises:

receiving a request sent by the terminal device, wherein the request is a request sent by the terminal device when no target model exists on the terminal device, and the target model is used to indicate a format of the target three-dimensional video;

in response to the request, acquiring a target model comprising image parameters;

and

sending the target model to the terminal device, which enables the terminal device to determine the at least one initial two-dimensional image which matches the image parameters.

8. An apparatus for processing a three-dimensional video, wherein the processing apparatus comprises:

a sending module, configured to send at least one initial two-dimensional image to a server, which enables the server to generate an initial three-dimensional video according to the at least one initial two-dimensional image;

a receiving module, configured to receive the initial three-dimensional video sent by the server; and

a processing module, configured to perform processing on the initial three-dimensional video to obtain a target three-dimensional video;

an acquiring module, configured to acquire a target model according to the received model selecting instruction before sending at least one initial two-dimensional image to the server, where the model selecting instruction includes target model information for indicating the target model, and the target model is used to indicate a format of the target three-dimensional video; and

a determining module, configured to determine image parameters included in the target model, and determine the at least one initial two-dimensional image which matches the image parameters.

9. A computer readable storage medium, on which a computer program is stored, wherein the program is configured to implement the method according to any one of claims 1 to 6 when being executed by a processor.

10. A computer readable storage medium, on which a computer program is stored, wherein the program is configured to implement the method according to claim 7 when being executed by a processor.

11. An electronic device, comprising:

a memory, on which a computer program is stored; and

a processor, configured to execute the computer program stored in the memory, so as to implement the method according to any one of claims 1 to 6.

12. An electronic device, comprising:

a memory, on which a computer program is stored; and

a processor, configured to execute the computer program stored in the memory, so as to implement the method according to claim 7.

13. A system for processing a three-dimensional video, wherein the system comprises a terminal device and a server;

the terminal device is configured to implement the method according to any one of claims 1 to 6; and

the server is configured to implement the method according to claim 7.