DESCRIPTION

Title of Invention: RECORDING MEDIUM, PLAYBACK METHOD, AND PLAYBACK DEVICE

Technical Field

[0001]

The present disclosure relates to a recording medium in which is recorded an encoded video stream, a playback method of the video stream, and a playback device.

Background Art

[0002]

Technology relating to DVDs has conventionally been disclosed (e.g., PTL 1).

Citation List

Patent Literature

[0003]

PTL 1: Japanese Unexamined Patent Application Publication No. 9-282848

Summary

[0004]

Recorded in a recording medium according to an aspect of the present disclosure are a video stream of standard-luminance range, and a video stream of high-luminance range that is a broader luminance range than the standard-luminance range, which are used selectively in accordance with a playback environment, a subtitle stream of the standard-luminance range, and a subtitle stream of the high-luminance range, which are used selectively in accordance with the playback environment, and a playlist file storing playback control information of content, the playlist file including a management region where the playback control information relating to a main stream is stored, and an extended region. The management region stores first playback control information specifying that a video stream of the high-luminance range and a subtitle stream of the high-luminance range are to be played in combination. The extended region stores second playback control information specifying that a video stream of the standard-luminance range and a subtitle stream of the standard-luminance range are to be played in combination.

[0004a] In another aspect, there is provided a playback method of reading out and playing content from a recording medium in which is recorded a video stream of standard-luminance range, and a video stream of high-luminance range that is a broader luminance range than the standard-luminance range, which are used selectively in accordance with a playback environment, a subtitle stream of the standard-luminance range, and a subtitle stream of the high-luminance range, which are used selectively in accordance with the playback environment, and a playlist file storing playback control information of content, the playlist file including a management region where the playback control information relating to a main stream is stored, and an extended region, the management region storing first playback control information specifying that a video stream of the high-luminance range and a subtitle stream of the high-luminance range are to be played in combination, and the extended region storing second playback control information specifying that a video stream of the standard-luminance range and a subtitle stream of the standard-luminance range are to be played in combination, the playback method comprising: reading out and playing a video stream of the high-luminance range and a subtitle stream of the high-luminance range, based on the first playback control information, in a case of playing the content as a content of the high-luminance range; and reading out and playing a video stream of the standard-luminance range and a subtitle stream of the standard-luminance range, based on the second playback control information, in a case of playing the content as a content of the standard-luminance range.

[0004b] In another aspect, there is provided that a playback device that reads out and plays content from a recording medium in which is recorded a video stream of standard-luminance range, and a video stream of high-luminance range that is a broader luminance range than the standard-luminance range, which are used selectively in accordance with a playback environment, a subtitle stream of the standard-luminance range, and a subtitle stream of the high-luminance range, which are used selectively in accordance with the playback environment, and a playlist file storing playback control information of content, the playlist file including a management region where the playback control information relating to a main stream is stored, and an extended region, the management region storing first playback control information specifying that a video stream of the high-luminance range and a subtitle stream of the high-luminance range are to

be played in combination, and the extended region storing second playback control information specifying that a video stream of the standard-luminance range and a subtitle stream of the standard-luminance range are to be played in combination, the playback device comprising: a video playback unit that (1) reads out and plays a video stream of the high-luminance range and a subtitle stream of the high-luminance range, based on the first playback control information, in a case of playing the content as a content of the high-luminance range, and (2) reads out and plays a video stream of the standard-luminance range and a subtitle stream of the standard-luminance range, based on the second playback control information, in a case of playing the content as a content of the standard-luminance range.