What is claimed is:

1. A playback device that reads out and plays a content from a recording medium in which are recorded

a video stream of high-luminance range that is a broader luminance range than standard-luminance range,

a subtitle stream of the high-luminance range, and

a playlist file storing playback control information of the content, and including a management region,

the management region storing first playback control information specifying that the video stream of the high-luminance range and the subtitle stream of the high-luminance range are to be played in combination,

the recording medium further having recorded therein a management information file including a map region storing map information indicating a position of an independently decodable picture included in a video stream,

the map region storing first map information indicating a position, in the video stream of the high-luminance range, of an independently decodable picture included in the video stream of the high-luminance range,

the playlist file further including a sub-playlist region storing the playback control information relating to an enhanced video stream to be integrated with the video stream of the high-luminance range,

second playback control information relating to the enhanced video stream for extending the luminance range of the video stream of the high-luminance range being stored in the sub-playlist region,

and the map region storing, beside the first map information, a second map information indicating a position, in the enhanced video stream, of an independently decodable picture included in the enhanced video stream,

the playback device comprising:

a video player that reads out and plays the video stream of the high-luminance range and the subtitle stream of the high-luminance range, based on the first playback control information and the first map information, and also reads out and integrates the enhanced video stream based on the second playback control information and the second map information, in a case of playing the content as a content of a luminance range that has been extended beyond the high-luminance range.

2. A playback method of reading out and playing content from a recording medium in which are recorded

a video stream of high-luminance range that is a broader luminance range than standard-luminance range,

a subtitle stream of the high-luminance range, and

a playlist file storing playback control information of the content, and including a management region,

the management region storing first playback control information specifying that the video stream of the high-luminance range and the subtitle stream of the high-luminance range are to be played in combination,

the recording medium further having recorded therein a management information file including a map region storing map information indicating a position of an independently decodable picture included in a video stream,

the map region storing first map information indicating a position, in the video stream of the high-luminance range, of an independently decodable picture included in the video stream of the high-luminance range,

the playlist file further including a sub-playlist region storing the playback control information relating to an enhanced video stream to be integrated with the video stream of the high-luminance range,

second playback control information relating to the enhanced video stream for extending the luminance range of the video stream of the high-luminance range being stored in the sub-playlist region,

and the map region storing, beside the first map information, a second map information indicating a position, in the enhanced video stream, of an independently decodable picture included in the enhanced video stream,

the playback method comprising:

reading out and playing the video stream of the high-luminance range and the subtitle stream of the high-luminance range, based on the first playback control information and the first map information, and also reading out and integrating the enhanced video stream based on the second playback control information and the second map information, in a case of playing

the content as a content of a luminance range that has been extended beyond the high-luminance range.