CLAIMS

1. A method of processing video data, comprising:

determining, for a conversion between a current video block of a video and a bitstream of the video, whether a first indication of usage of a first prediction mode is included in the bitstream according to a rule; and

performing the conversion between the current video block and the bitstream;

wherein in the first prediction mode, reconstructed samples are represented by a set of representative color values, and the set of representative color values comprises at least one of 1) palette predictors, 2) escaped samples, or 3) palette information included in the bitstream, and

wherein the rule specifies that the first indication is not included in the bitstream, and the first indication inferred to false in response to a non-intra mode being applied for the current video block; and

wherein the rule further specifies that whether to include the first indication in the bitstream based on a coding tree structure of the current video block, and wherein the coding tree structure includes at least one of a single coding tree structure and a dual coding tree structure;

wherein the rule further specifies that whether to include the first indication in the bitstream based on a color format of the current video block, and

wherein in response to the first indication being true, a usage indication of the pulse code modulation mode is not included in the bitstream.

2. The method of claim 1, wherein the rule further specifies that whether to include the first indication in the bitstream based on a dimension of the current video block.

3. The method of any one of claim 1 or 2, wherein the non-intra mode is a second prediction mode, and wherein in the second prediction mode prediction samples are derived from reconstructed sample values of the same picture containing the current video block.

4. The method of any one of claims 1-3, wherein the non-intra mode is an inter prediction mode.

5. The method of any one of claims 1-3, wherein the non-intra mode is a skip mode.

6. The method of any one of claims 1-5, wherein in response to a video slice including the current video block is a I-slice, only one of the first prediction mode, the second prediction mode and an intra coding mode is used to generate prediction samples of the current video block.

7. The method of claim 6, wherein the first prediction mode is independent of the intra coding mode.

8. The method of any one of claims 1-7, wherein the conversion includes encoding the current video block into the bitstream.

9. The method of any one of claims 1-7, wherein the conversion includes decoding the current video block from the bitstream.

10. An apparatus for processing video data comprising a processor and a non-transitory memory with instructions thereon, wherein the instructions upon execution by the processor, cause the processor to:

determine, for a conversion between a current video block of a video and a bitstream of the video, whether a first indication of usage of a first prediction mode is included in the bitstream according to a rule; and

perform the conversion between the current video block and the bitstream;

wherein in the first prediction mode, reconstructed samples are represented by a set of representative color values, and the set of representative color values comprises at least one of 1) palette predictors, 2) escaped samples, or 3) palette information included in the bitstream, and

wherein the rule specific that the first indication is not included in the bitstream, and the first indication inferred to false in response to a non-intra mode being applied for the current video block; and

wherein the rule further specifies that whether to include the first indication in the bitstream based on a coding tree structure of the current video block, and wherein the coding tree structure includes at least one of a single coding tree structure and a dual coding tree structure;

wherein the rule further specifies that whether to include the first indication in the bitstream based on a color format of the current video block, and

wherein in response to the first indication being true, a usage indication of the pulse code modulation mode is not included in the bitstream.

11. The apparatus of claim 10, wherein the rule further specifies that whether to include the first indication in the bitstream based on a dimension of the current video block.

12. The apparatus of claim 10 or 11, wherein the non-intra mode is a second prediction mode, and wherein in the second prediction mode prediction samples are derived from reconstructed sample values of the same picture containing the current video block.

13. The apparatus of any one of claims 10-12, wherein the non-intra mode is an inter prediction mode.

14. A non-transitory computer-readable storage medium storing instructions that cause a processor to:

determine, for a conversion between a current video block of a video and a bitstream of the video, whether a first indication of usage of a first prediction mode is included in the bitstream according to a rule; and

perform the conversion between the current video block and the bitstream;

wherein in the first prediction mode, reconstructed samples are represented by a set of representative color values, and the set of representative color values comprises at least one of 1) palette predictors, 2) escaped samples, or 3) palette information included in the bitstream, and

wherein the rule specifies that the first indication is not included in the bitstream, and the first indication inferred to false in response to a non-intra mode being applied for the current video block; and

wherein the rule further specifies that whether to include the first indication in the bitstream based on a coding tree structure of the current video block, and wherein the coding tree structure includes at least one of a single coding tree structure and a dual coding tree structure;

wherein the rule further specifies that whether to include the first indication in the bitstream based on a color format of the current video block, and

wherein in response to the first indication being true, a usage indication of the pulse code modulation mode is not included in the bitstream.

15. A non-transitory computer-readable recording medium storing a bitstream of a video which is generated by a method performed by a video processing apparatus, wherein the method comprises:

determining, for a current video block of the video, whether a first indication of usage of a first prediction mode is included in the bitstream according to a rule; and

generating the bitstream based on the determination;

wherein in the first prediction mode, reconstructed samples are represented by a set of representative color values, and the set of representative color values comprises at least one of 1) palette predictors, 2) escaped samples, or 3) palette information included in the bitstream, and

wherein the rule specifies that the first indication is not included in the bitstream, and the first indication inferred to false in response to a non-intra mode being applied for the current video block; and

wherein the rule further specifies that whether to include the first indication in the bitstream based on a coding tree structure of the current video block, and wherein the coding tree structure includes at least one of a single coding tree structure and a dual coding tree structure;

wherein the rule further specifies that whether to include the first indication in the bitstream based on a color format of the current video block, and

wherein in response to the first indication being true, a usage indication of the pulse code modulation mode is not included in the bitstream.

16. A method for storing bitstream of a video, comprising:

determining, for a current video block of a video, whether a first indication of usage of a first prediction mode is included in the bitstream according to a rule; and

generating the bitstream based on the determination; and

storing the bitstream in a non-transitory computer-readable recording medium.

wherein in the first prediction mode, reconstructed samples are represented by a set of representative color values, and the set of representative color values comprises at least one of 1) palette predictors, 2) escaped samples, or 3) palette information included in the bitstream, and

wherein the rule specifies that the first indication is not included in the bitstream, and the first indication inferred to false in response to a non-intra mode being applied for the current video block; and

wherein the rule further specifies that whether to include the first indication in the bitstream based on a coding tree structure of the current video block, and wherein the coding tree structure includes at least one of a single coding tree structure and a dual coding tree structure;

wherein the rule further specifies that whether to include the first indication in the bitstream based on a color format of the current video block, and

wherein in response to the first indication being true, a usage indication of the pulse code modulation mode is not included in the bitstream.