What is claimed is:

1. A three dimensional (3D) video decoder apparatus comprising:

circuitry to receive an encoded bitstream comprising data representative of at least a first video block of a texture component of a first view of multi-view video, a second video block of a depth component of the first view of the multi-view video, a third video block of a texture component of a second view of the multi-view video, and a fourth video block of a depth component of the second view of the multi-view video, wherein the encoded bitstream comprises a prediction parameter inheritance (PPI) syntax comprising a first flag to indicate the second video block was encoded based on inherited prediction parameters, a second flag to indicate the fourth video block was not encoded based on inherited prediction parameters, and an indicator to indicate the inherited prediction parameters for the second video block are to be inherited from the first encoded video block, and wherein the encoded bitstream comprises the inherited prediction parameters;

circuitry to access the first flag associated with the second video block to determine the second video block was encoded based on the inherited prediction parameters and the second flag associated with the fourth video block to determine the fourth video block was not encoded based on inherited prediction parameters;

circuitry to selectively access the inherited prediction parameters associated with the first video block in response to the first flag and the indicator to indicate the inherited prediction parameters are to be inherited from the first encoded video block, wherein the first video block and the second video block are of a same view, the first video block and the second video block are co-located, and the selectively accessed inherited prediction parameters comprise at least a motion vector and a reference index;

circuitry to decode the second video block to a corresponding second decoded video block based at least in part on the inherited prediction parameters in response to the first flag to indicate the second video block was encoded based on the inherited prediction parameters; and

circuitry to decode the fourth video block to a corresponding fourth decoded video block based on prediction parameters that are not inherited in response to the second flag to indicate the fourth video block was not encoded based on inherited prediction parameters.

2. The apparatus of claim 1, further comprising: circuitry to decode the first video block to a corresponding first decoded video block comprising video information for rendering a picture including luminance and chroma samples, wherein the second decoded video block includes information for forming 3D video comprising depth values on a per-pixel basis.

3. The apparatus of claim 1, wherein the first video block and the second video block being co-located comprises coordinates of the first video block relative a texture frame and the coordinates of the second video block relative to a depth map being the same.

4. The apparatus of claim 1, wherein the first video block is larger than the second video block, the first video block is a same size as that of the second video block, or the first video block is smaller than the second video block.

5. The apparatus of claim 1, wherein the first flag is to indicate use of inherited parameters on a per-sequence, per-view, per-slice, per-picture, per-coding unit (CU), per-prediction unit (PU), or per-transform unit (TU) level.

6. The apparatus of claim 1, wherein the inherited prediction parameters comprise at least one of a picture encoding structure, an inter prediction mode, or partition size and shape.

7. The apparatus of claim 1, wherein the same view is associated with a same camera perspective or angle.

8. The apparatus of claim 1, wherein one or more of the circuitry comprises any or a combination of: software executed by one or more processors, hardware, or firmware.

9. The apparatus of claim 1, comprising circuitry to decode a fifth video block based on second inherited prediction parameters associated with a sixth video block, wherein the fifth video block and the sixth video block are from different views, the second inherited prediction parameters comprise at least a second motion vector and a second reference index, the fifth video block comprises a depth map block or a texture block, and the sixth video block comprises a depth map block or a texture block.

10. The apparatus of claim 1, comprising: circuitry to decode a fifth video block, the fifth video block in a different view from that of the first video block.

11. The apparatus of claim 1, comprising:

a physical layer logic;

a radio communicatively coupled to the physical layer logic; and

at least one antenna communicatively coupled to the radio.

12. The apparatus of claim 11, comprising:

one or more processor circuitry;

at least one memory communicatively coupled to the one or more processor circuitry; and

a display communicatively coupled to the one or more processor circuitry, the display to display an image based at least in part on the second decoded video block.

13. A computer-implemented method for three dimensional (3D) video decoding, the method comprising:

receiving an encoded bitstream comprising data representative of at least a first video block of a texture component of a first view of multi-view video, a second video block of a depth component of the first view of the multi-view video, a third video block of a texture component of a second view of the multi-view video, and a fourth video block of a depth component of the second view of the multi-view video, wherein the encoded bitstream comprises a prediction parameter inheritance (PPI) syntax comprising a first flag to indicate the second video block was encoded based on inherited prediction parameters, a second flag to indicate the fourth video block was not encoded based on inherited prediction parameters, and an indicator to indicate the inherited prediction parameters for the second video block are to be inherited from the first encoded video block, and wherein the encoded bitstream comprises the inherited prediction parameters;

accessing the first flag associated with the second video block to determine the second video block was encoded based on the inherited prediction parameters and the second flag

associated with the fourth video block to determine the fourth video block was not encoded based on inherited prediction parameters;

selectively accessing the inherited prediction parameters associated with the first video block in response to the first flag and the indicator to indicate the inherited prediction parameters are to be inherited from the first encoded video block, wherein the first video block and the second video block are of a same view, the first video block and the second video block are co-located, and the selectively accessed inherited prediction parameters comprise at least a motion vector and a reference index;

decoding the second video block to a corresponding second decoded video block based at least in part on the inherited prediction parameters in response to the first flag to indicate the second video block was encoded based on the inherited prediction parameters; and

decoding the fourth video block to a corresponding fourth decoded video block based on prediction parameters that are not inherited in response to the second flag to indicate the fourth video block was not encoded based on inherited prediction parameters.

14. The method of claim 13, further comprising: decoding the first video block to a corresponding first decoded video block comprising video information for rendering a picture including luminance and chroma samples, and wherein the second decoded video block includes information for forming 3D video comprising depth values on a per-pixel basis.

15. The method of claim 13, wherein the first video block and the second video block being co-located comprises coordinates of the first video block relative a texture frame and the coordinates of the second video block relative to a depth map being the same.

16. The method of claim 13, wherein the first video block is larger than the second video block, the first video block is a same size as that of the second video block, or the first video block is smaller than the second video block.

17. The method of claim 13, wherein the first flag is to indicate use of inherited parameters on a per-sequence, per-view, per-slice, per-picture, per-coding unit (CU), per-prediction unit (PU), or per-transform unit (TU) level.

18. The method of claim 13, wherein the inherited prediction parameters comprise at least one of a picture encoding structure, an inter prediction mode, or partition size and shape.

19. The method of claim 13, wherein the same view is associated with a same camera perspective or angle.

20. The method of claim 13, comprising: decoding a fifth video block based on second inherited prediction parameters associated with a sixth video block, wherein the fifth video block and the sixth video block are from different views, the second inherited prediction parameters comprise at least a second motion vector and a second reference index, the fifth video block comprises a depth map block or a texture block, and the sixth video block comprises a depth map block or a texture block.

21. The method of claim 13, comprising: decoding a fifth video block, the fifth video block in a different view from that of the first video block.

22. At least one non-transitory computer-readable medium comprising instructions stored thereon, which when executed by a computer, cause the computer to:

receive an encoded bitstream comprising data representative of at least a first video block of a texture component of a first view of multi-view video, a second video block of a depth component of the first view of the multi-view video, a third video block of a texture component of a second view of the multi-view video, and a fourth video block of a depth component of the second view of the multi-view video, wherein the encoded bitstream comprises a prediction parameter inheritance (PPI) syntax comprising a first flag to indicate the second video block was encoded based on inherited prediction parameters, a second flag to indicate the fourth video block was not encoded based on inherited prediction parameters, and an indicator to indicate the inherited prediction parameters for the second video block are to be inherited from the first encoded video block, and wherein the encoded bitstream comprises the inherited prediction parameters;

access the first flag associated with the second video block to determine the second video block was encoded based on the inherited prediction parameters and the second flag

associated with the fourth video block to determine the fourth video block was not encoded based on inherited prediction parameters;

selectively access the inherited prediction parameters associated with the first video block in response to the first flag and the indicator to indicate the inherited prediction parameters are to be inherited from the first encoded video block, wherein the first video block and the second video block are of a same view, the first video block and the second video block are co-located, and the selectively accessed inherited prediction parameters comprise at least a motion vector and a reference index;

decode the second video block to a corresponding second decoded video block based at least in part on the inherited prediction parameters in response to the first flag to indicate the second video block was encoded based on the inherited prediction parameters; and

decode the fourth video block to a corresponding fourth decoded video block based on prediction parameters that are not inherited in response to the second flag to indicate the fourth video block was not encoded based on inherited prediction parameters.

23. The medium of claim 22, comprising further instructions stored thereon, which when executed by the computer, cause the computer to: decode the first video block to a corresponding first decoded video block comprising video information for rendering a picture including luminance and chroma samples, wherein the second decoded video block includes information for forming 3D video comprising depth values on a per-pixel basis.

24. The medium of claim 22, wherein the first video block and the second video block being co-located comprises coordinates of the first video block relative a texture frame and the coordinates of the second video block relative to a depth map being the same.

25. The medium of claim 22, wherein the first video block is larger than the second video block, the first video block is a same size as that of the second video block, or the first video block is smaller than the second video block.

26. The medium of claim 22, wherein the first flag is to indicate use of inherited parameters on a per-sequence, per-view, per-slice, per-picture, per-coding unit (CU), per-prediction unit (PU), or per-transform unit (TU) level.

27. The medium of claim 22, wherein the inherited prediction parameters comprise at least one of a picture encoding structure, an inter prediction mode, or partition size and shape.

28. The medium of claim 22, wherein the same view is associated with a same camera perspective or angle.

29. The medium of claim 22, comprising further instructions stored thereon, which when executed by the computer, cause the computer to: decode a fifth video block based on second inherited prediction parameters associated with a sixth video block, wherein the fifth video block and the sixth video block are from different views, the second inherited prediction parameters comprise at least a second motion vector and a second reference index, the fifth video block comprises a depth map block or a texture block, and the sixth video block comprises a depth map block or a texture block.