Decode HW*

Formats:
- MPEG-2
- VC1
- VP8
- VP9
- H.264
- H.265
- Lossless

Bit depth:
- 8 bit
- 10 bit
- 12 bit

Color**
- YUV 4:2:0

Resolution
- Up to 8K***

CPU

NVDEC Buffer **NVENC**

CUDA Cores

Encode HW*

Formats:
- H.264
- H.265
- Lossless

Bit depth:
- 8 bit
- 10 bit

Color**
- YUV 4:4:4
- YUV 4:2:0

Resolution
- Up to 8K***

* Diagram represents support for the NVIDIA Pascal GPU family

** 4:2:2 is not natively supported on HW

*** Support is codec dependent