RED Frame rate (FPS) / Resolution comparison chart

FORMAT	ASPECT RATIO	RESOLUTION	FPS - EPIC	FPS - DRAGON
6K FF	1.94 : 1	6144 x 3160	N/A	1 - 83
6K WS	2.37 : 1	6144 x 2592	N/A	1 - 100
6K HD	16 : 9	5568 x 3132	N/A	1 - 83
5K FF	1.90 : 1	5120 x 2700	1 - 96	1 - 96
5K WS	2.37 : 1	5120 x 2160	1 - 120	1 - 120
5K HD	16 : 9	4800 X 2700	1 - 96	1 - 96
4K FF	1.90 : 1	4096 X 2160	1 - 120	1 - 120
4K WS	2.37 : 1	4096 X 1728	1 - 150	1 - 150
4K HD	16 : 9	3840 X 2160	1 - 120	1 - 120
3K FF	1.90 : 1	3072 X 1620	1 - 160	1 - 160
3K WS	2.37 : 1	3072 x 1296	1 - 200	1 - 200
3K HD	16 : 9	2880 x 1620	1 - 160	1 - 160
2K FF	1.90 : 1	2048 x 1080	1 - 240	1 - 240
2K WS	2.37 : 1	2048 x 864	1 - 300	1 - 300
2K HD	16 : 9	1920 x 1080	1 - 240	1 - 240

Key points

- This is a simplified chart; there are many more resolutions and frame rates in between those shown above, all accessible through the project menu.
- The HD Formats will scale (mathematically neater) for 1080p HD output
- Don't forget, the lower the resolution the more pronounced the crop factor.
- Also remember, not *all* lenses are compatible with 5K FF and above so there may be a slight vignette effect with certain lenses.
- For comparison purposes the Arri Alexa has 2880 x 1620 active pixels (16:9)
- Resolution is obviously only part of the story!
- The Epic Dragon is essentially the same as the Epic X (in terms of FPS) but has increased resolution and more importantly extended dynamic range.