

Playback Performance Cheat Sheet

File Type	USB 3.0 5400rpm drive (200 MB/s)	USB 3.1 7200rpm drive (260 MB/s)	USB 3.2 SSD (1050 MB/s)	Thunderbolt 3 NVME SSD (2500 MB/s)	Thunderbolt 3 RAID 7200rpm (567 MB/s)
H.264 24p HD 20 mbps	2.5 MB/s	2.5 MB/s	2.5 MB/s	2.5 MB/s	2.5 MB/s
H.265 HD 24p (e.g GoPro)	12.5 MB/s	12.5 MB/s	12.5 MB/s	12.5 MB/s	12.5 MB/s
ProRes 422 LT HD 24p	10.25 MB/s	10.25 MB/s	10.25 MB/s	10.25 MB/s	10.25 MB/s
ProRes 422 HD 24p	14.62 MB/s	14.62 MB/s	14.62 MB/s	14.62 MB/s	14.62 MB/s
ProRes 422 HQ HD 24p	22 MB/s	22 MB/s	22 MB/s	22 MB/s	22 MB/s
ProRes 4444 HD 24p	33 MB/s	33 MB/s	33 MB/s	33 MB/s	33 MB/s
H.264 24p 4K 20 mbps	2.5 MB/s	2.5 MB/s	2.5 MB/s	2.5 MB/s	2.5 MB/s
H.265 4K 24p (e.g GoPro) 100 mbps	12.5 MB/s	12.5 MB/s	12.5 MB/s	12.5 MB/s	12.5 MB/s
ProRes 422 LT 4K 24p	44 MB/s	44 MB/s	44 MB/s	44 MB/s	44 MB/s
ProRes 422 4K 24p	63 MB/s	63 MB/s	63 MB/s	63 MB/s	63 MB/s
ProRes 422 HQ 4K 24p	94.25 MB/s	94.25 MB/s	94.25 MB/s	94.25 MB/s	94.25 MB/s
ProRes 4444 4K 24p	141 MB/s	141 MB/s	141 MB/s	141 MB/s	141 MB/s
REDCODE 5:1 8K FF 24p	260 MB/s	260 MB/s	260 MB/s	260 MB/s	260 MB/s
REDCODE 8:1 8K FF 24p	162 MB/s	162 MB/s	162 MB/s	162 MB/s	162 MB/s
REDCODE 15:1 8K FF 24p	87 MB/s	87 MB/s	87 MB/s	87 MB/s	87 MB/s
ARRI AMIRA ARRIRAW 2.8K 24fps	168 MB/s	168 MB/s	168 MB/s	168 MB/s	168 MB/s
ARRI ALEXA 35 ARRIRAW 4K 24fps	361 MB/s	361 MB/s	361 MB/s	361 MB/s	361 MB/s
ARRI ALEXA MINI ARRIRAW 3.4K 24fps	271.5 MB/s	271.5 MB/s	271.5 MB/s	271.5 MB/s	271.5 MB/s
Blackmagic Pocket 6K RAW 3:1 6K 24 fps	259 MB/s	259 MB/s	259 MB/s	259 MB/s	259 MB/s
Blackmagic Pocket 6K RAW 8:1 6K 24 fps	97 MB/s	97 MB/s	97 MB/s	97 MB/s	97 MB/s
Blackmagic Pocket 6K RAW 3:1 3.7K Anamorphic 24 fps	143 MB/s	143 MB/s	143 MB/s	143 MB/s	143 MB/s
Blackmagic Pocket 6K RAW 8:1 3.7K Anamorphic 24 fps	53.75 MB/s	53.75 MB/s	53.75 MB/s	53.75 MB/s	53.75 MB/s
Blackmagic URSA Mini Pro G2 RAW 3:1 4.6K 24 fps	146 MB/s	146 MB/s	146 MB/s	146 MB/s	146 MB/s