

## Convergent Design Gemini 4:4:4 Video Formats, Data Rates And Storage

Video Format	Data Rate: Video + Audio (MBytes/sec)	Storage / 256GB (Minutes)	Storage / 512 GB (Minutes)	Storage / 1024 GB (Minutes)
720p24 4:2:2 10-Bit	57.5	74	148	296
720p25 4:2:2 10-Bit	60	71	142	284
720p30 4:2:2 10-Bit	71.4	59	118	236
720p50 4:2:2 10-Bit	117.5	36	72	144
720p60 4:2:2 10-Bit	140.5	30	60	120
1080p24 4:2:2 10-Bit	126.7	33.6	67.2	134.4
1080p24 4:4:4 10-Bit	188.9	22.5	45	90
1080p25 4:2:2 10-Bit	131.9	32.3	64.6	129.2
1080p25 4:4:4 10-Bit	196.7	21.7	43.4	86.8
1080p30 4:2:2 10-Bit	157.8	27	54	108
1080p30 4:4:4 10-Bit	235.6	18	36	72
2Kp24 4:2:2 10-Bit	135	31.6	63.2	126.4
2Kp24 4:4:4 10-Bit	201.3	21.1	42.2	84.4
1080i60 4:2:2 10-Bit	157.8	27	54	108
1080i50 4:2:2 10-Bit	131.9	32.3	64.6	129.2
1080p60 4:2:2 10-Bit	313.3	na	27.2	54.4
1080p50 4:2:2 10-Bit	261.5	na	32.6	65.2

**Notes:**

4:4:4 Formats supported Via Dual (1.5Gbps) Link or Single (3Gbps) Link

Both "True" and "NTSC" rates supported: 24 and 23.98; 30 and 29.97; 60 and 59.97

2K = 2048x1080

Assumes 16-Channel Audio (2.30 Mbytes/sec)

1080p50/60 Formats Not Supported in 3D or 4:4:4; In 2D These formats Striped Across Two SSDs