

Compression Rate Time Chart

Maximum hard drive capture times*, at given compression rate

	Encoder setting/Compression bitrate											
	3 Mbit/s	4 Mbit/s	5 Mbit/s	6 Mbit/s	8 Mbit/s	10 Mbit/s	12 Mbit/s	15 Mbit/s	20 Mbit/s	25 Mbit/s	30 Mbit/s	35 Mbit/s
18GB	12:42:56	9:32:12	7:37:46	6:21:28	4:46:06	3:48:53	3:10:44	2:32:35	1:54:26	1:31:33	1:16:17	1:05:23
36GB	25:25:53	19:04:25	15:15:32	12:42:56	9:32:12	7:37:46	6:21:28	5:05:10	3:48:53	3:03:06	2:32:35	2:10:47
73GB	51:34:09	38:40:37	30:54:52	25:47:04	19:20:18	15:28:15	12:53:32	10:18:50	7:44:07	6:11:18	5:09:25	4:25:13
80GB	56:30:51	42:23:08	33:54:30	28:15:25	21:11:34	16:57:15	14:07:43	11:18:10	8:28:38	6:46:54	5:39:05	4:50:38
120GB	84:46:16	63:34:42	50:51:46	42:23:07	31:47:21	25:25:53	21:11:34	16:57:15	12:42:56	10:10:21	8:28:38	7:15:58
137GB	96:46:49	72:35:07	58:04:05	48:23:25	36:17:33	29:02:03	24:11:42	19:21:22	14:31:14	11:36:49	9:40:41	8:17:44
180GB	127:09:24	95:22:03	76:17:38	63:34:42	47:41:01	38:08:49	31:47:21	25:35:53	19:04:25	15:15:32	12:42:56	10:53:57
300GB	211:55:40	158:56:45	127:09:24	105:57:50	79:28:22	63:34:42	52:58:54	42:23:08	31:47:21	25:25:52	21:11:34	18:09:55
500GB	353:12:46	264:54:34	211:55:40	176:36:23	132:27:17	105:57:50	88:18:11	70:38:33	52:58:55	42:23:08	35:19:17	30:16:31
1.2TB	847:42:38	635:46:58	508:37:34	423:51:19	317:53:29	254:18:47	211:55:40	169:32:32	127:09:23	101:43:31	84:46:37	72:39:39
1.8TB	1271:33:57	953:40:28	762:56:22	635:46:58	476:50:14	381:28:11	317:53:29	254:18:47	190:44:06	152:35:16	127:09:24	108:59:28

Results are indicative of video captured/stored in hours:minutes:seconds.


Drive capacity**: 1 GB = 1000x1000x1000x8 = 8000000000 bits

Compression rate: 1Mbit/s = 1024x1024 = 1048576 bits/s

Time = drive capacity/compression rate

*Capture times are theoretical, and meant to be used as a guideline. These results also assume the drive or array in use is capable of writing at indicated rates.

**Based on common SI drive capacity specification practices.

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