

Video Standards				
		Standard Def. (720x480)	720 (1280x720)	1080 (1920x1080)
Uncompressed		NTSC SplashCam & Std TV (digitized to 10bit; 29.97fps) 300 Mbps³ = 132 GB/hr = 20.7 TB/yr		
Frame-based compression	DV Video	DV (Sony & Panasonic versions) Digital8 (8mm tapes) (29.97 fps) 25 Mbps³ = 11 GB/hr = 1.7 TB/yr	DVCPRO HD Tape cassette (960x720) (29.97 fps) 100 Mbps³ = 44 GB/hr = 6.9 TB/yr	DVCPRO HD Tape cassette (1440x1080) (29.97 fps) 100 Mbps³ = 44 GB/hr = 6.9 TB/yr
GOP-based compression	MPEG-2 Part 2 (H.262) implementations	DVD-video (480p) Authored DVDs (29.97 fps) 9.8 Mbps¹ = 4.3 GB/hr = 0.7 TB/yr	HDV 720p 8mm tape (29.97 fps) 18.3² Mbps = 8 GB/hr = 1.3 TB/yr	HDV 1080i/p 8 mm tape (29.97 fps) 25 Mbps² = 11 GB/hr = 1.7 TB/yr
	MPEG-4 AVC (H.264) implementations	H.264 NTSC (29.97 fps) 30.6 Mbps³ = 13.4 GB/hr = 2.1 TB/yr	AVCHD File-based storage 24 Mbps⁴ = 10.5 GB/hr = 1.7 TB/yr	
			H.264 720p (29.97 fps) 59 Mbps³ = 26 GB/hr = 4.1 TB/yr	H.264 1080p (29.97 fps) 98Mbps³ = 43 Gb/hr = 6.8 Tb/yr

Conversions of data rates to terabytes/year (TB/yr) are based on an estimate of 161 hours of video per year.

¹ Wikipedia article on DVD-Video; http://en.wikipedia.org/wiki/Dvd_video

² Wikipedia article on HDV; <http://en.wikipedia.org/wiki/HDV>

³ Source: Video Space Calculator; http://www.digitalrebellion.com/webapps/video_calc.html

⁴ Wikipedia article on AVHDC; <http://en.wikipedia.org/wiki/AVHCD>