

Storage Calculation



- * Calculations are of approximate values. Recording capacity will vary with the environment
- * Complexity is varied by motion in scene, P/T/Z operation and noise.

Marvelous **Formula** Motion Compression algorithm enables average 0.5~2KB/frame.

[320x240] Average Size of 1 Frame

Complexity Image Quality		Lower	Low	Medium	High
		Lower	951B	964B	1.27KB
Low		939B	975B	1.31KB	1.88KB
Medium		1.07KB	1.09KB	1.68KB	2.46KB
High		1.12KB	1.40KB	2.31KB	3.24KB
Higher		1.48KB	2.37KB	2.94KB	4.30KB

SmartDVR Recording Time Table

Total Recording Speed	Standard(1fps)		30fps	60fps	120fps	240fps
Recording Time	Resolution		CIF	CIF	CIF	CIF
	CIF	4CIF	CIF	CIF	CIF	CIF
1 day (24 hours)	86MB	346MB	3GB	5GB	10GB	21GB
7 days	605MB	2GB	18GB	36GB	73GB	145GB
14 days	1GB	5GB	36GB	73GB	145GB	290GB
30 days(1 month)	3GB	10GB	78GB	156GB	311GB	622GB
60 days(2 months)	5GB	21GB	156GB	311GB	622GB	-
90 days(3 months)	8GB	31GB	233GB	467GB	-	-
120 days(4 months)	10GB	41GB	311GB	622GB	-	-
150 days(5 months)	13GB	52GB	389GB	-	-	-
180 days(6 months)	16GB	62GB	467GB	-	-	-
210 days(7 months)	18GB	73GB	544GB	-	-	-
240 days(8 months)	21GB	83GB	622GB	-	-	-

- CIF Resolution(320x240) is usually referred to as being equal to **VHS tape recording**
- 4CIF Resolution(640x480) is usually referred to as being equal to **S-VHS tape recording**