

Compression format	Intended Use	Input format	Color? (Mbits/sec)	Rate (Nominal bit)	Resolution (bits/pixel)	Quality	Method of dealing w/ motion	Implementation (s/w, s/w)	Processor requirement	Lossless/lossy	Real-time?	Inline?	Expected compression
MPEG-1	Motion video over T1/CD	<768x576 @30 fps (std video)	4:2:0	1.5			temporal compression	s/w or h/w	PIII	lossy			Up to 200:1
MPEG-2	Motion video over T1/CD with interlace	1920x 1152 @60 fps	4:2:2	80			temporal compression	s/w or h/w	PIII	lossy	yes	yes	45:1 to 200:1
		<768x576 @30 fps		15			temporal compression	s/w or h/w	PIII	lossy	yes	yes	45:1 to 200:1
Motion JPEG	Sequence of photographic images	<768x576 @30 fps	yes	2.3	2.25	indistinguishable	none			lossy			8:1
				0.775	0.75	excellent				lossy			15:1
				0.26	0.25	useful				lossy			32:1
				0.085	0.0825	recognizable				lossy			100:1
MPEG-4	Encode to very low data rates	<768x576 @30 fps		0.384 to 4		excellent	objects	s/w or h/w	P4	lossy	yes	yes	
				0.064 to 0.384		useful				lossy			
				<0.064		recognizable				lossy			300:1
Quicktime	Video playback on PC	<768x576 @30 fps	yes					s/w		lossy			<MPEG
AVI	Video playback on PC	<768x576 @30 fps	yes					s/w		lossy			<Quick-time
DV-25	Consumer digital video	<768x576 @30 fps	4:1:1	25		5:1 compression				lossy			5:1
DV-50	Professional digital video	<768x576 @30 fps	4:2:2	50		3.3:1 compression				lossy			3.3:1
SDTV (480i30)	Uncompressed std video	720x480		160									
HDTV (1080p60)	Uncompressed high def video	1920x 1152		960									

Note: Highlighted video compression formats are contenders for further consideration and testing