

Designation	Compression (1)	Max Data rate in Mbps	Bits per sample	Download, upload speed	Y/R-Y/B-Y Sampling ratio	Track width in microns	Tape size	Type of Tape	Max tape playing time in minutes for small/large cassette	Price (in \$)
D1 (Sony)	Not compressed	270	8 or 10		4:2:2:4	40	3/4U 19mm	ferric oxide	94	120,000-140,000
D2 (Sony/Ampex)	Not compressed	143	8		4:0:0	39	3/4U 19mm	Metal particle	94/208	46,000-88,000
D3 (Sony/Ampex)	Not compressed	143	8		4:0:0	20	III 1/2"	Metal particle	240	50,000
D4										
D5 (Panasonic)	Not compressed	170	10		4:2:2		1/2"	Metal evaporated	120	
D6	Compressed				4:2:2		3/4U 19mm			
D-7 (DVC PRO) (Panasonic, Ikegami, Philips)	Intraframe DCT 5:1 (I-MPEG)	25 (constant)	8	4X	4:1:1	18	1/4" medium and large cassettes	Metal particle	60/123	5,000-20,000
D-9 (Digital S) (JVC)	Intraframe DCT 3:3:1	50	8	2X	4:2:2	20	VHS 1/2"	Metal particle	124	10,000-20,000
DVC PRO 50	Intraframe DCT 3:3:1	50	8		4:2:2	18	1/2"	Metal particle	30/60	10,000-47,000
DCT (Ampex)	DCT 2:1		8			39	3/4U 19mm			
Betacam SX (Sony)	Interframe 10:1 MPEG-2	18	8	4X down only	4:2:2	32	Betacam 1/2"	Metal particle	90/184	20,000-50,000
Digital Betacam (Sony)	2:1	90	10	4X	4:2:2		Betacam 1/2"	Metal particle	60/120	33,000-45,000
DV	Intraframe DCT 5:1 (I-MPEG)	25 (constant)	8		4:1:1 or 4:2:0	10	1/4" 6.35mm	Metal evaporated	90/180	2,000-4,000
HDV (2)	MPEG-2	25 (constant)								
Digital 8	Intraframe DCT 5:1 (I-MPEG)	25 (constant)	8		4:1:1 or 4:2:0	5	8mm	Metal evaporated or Metal particle	60	900-1400

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DVCAM (Sony)	Intraframe DCT 5:1 (I-MPEG)	25 (constant)	8	4X	4:1:1 or 4:2:0	15	¼" mini & large cassettes	Metal evaporated	60/240	4800-18,000
D-VHS (JVC)	Pre-compressed MPEG-2	several, up to 28.2					1/2"	VHS size tape	210 at fast speed	1000

(1) compressie :

DCT : Discrete Cosine Transform
MPEG-2 : Moving Picture Experts Group

(2) HDV :

de HDV standaard is nog volop in beweging, m.a.w. de HDV vlag lading dekt niet altijd dezelfde lading (de twee die zich momenteel het meest doorzetten zijn :
720P (720 lijnen / progressive scan)
1080i (7020 lijnen / interlaced)

links :[DCT](#)[MPEG-2](#)[MPEG-2](#)

iso specificaties

uitgebreide, technische maar d
(engelstalige) uitleg[HDV](#)

history