

# FORMAT SHEET HD

ITEM		HD							
		UNIT	HDCAM-SR		HDCAM	HDV	HDD5	DVCPRO HD	DVCPRO HD EX
Width		mm	12.65		12.65	6.35	12.65	6.3	6.3
Total Thickness		µm	11		14	7.0	11	6.5/ 8.5	6.5/ 8.5
Tape Material		–	Metal Coating		Metal Coating	Metal Evapolated	Metal Coating	Metal Coating	Metal Coating
Performance			4:2:2	4:4:4	4:2:2	4:2:0	4:2:2	4:2:2	4:2:2
Signal		–	Component	RGB	Component	Component	Component	Component	Component
Standardize Frequency	Video	MHz	74.25		74.25	74.25	74.25	74.25	74.25
	Sound	kHz	48		48	48	48	48	48
Quantization	Video	bit	10		8/10	8	8/10	8	8
	Sound	bit	24		20	16	16/20	16	16
Audio CH			12		4	2	4	8	8
Compression Format		–	MPEG-4		Field	MPEG-2	Field	Flame	Flame
			Studio Profile		DCT	MP@H-14	DCT	DCT	DCT + VLC
Compression Rate		–	1/2.7		1/7	1/50	1/4	1/6.7	1/6.7
Video Recording Rate		Mbps	440		140	25	235	100	100
Tape Speed		mm/s	117.7		97	18.8	167.2	135.3	67.6
Relative Speed		m/s	22.9		22.9	10.2	21.3	20.4	20.4
Truck Pitch		µm	13.2		21.7	10	20	18	9
Minimum Recording Wave Length		µm	0.29		0.49	0.49	0.64	0.49	0.49
Head Drum Rotation		Hz	90		90	150	90	300	300
Head Drum Diameter		mm	81.4		81.4	21.7	76	21.7	21.7
Max Recording Time	Large Cassette	min	124		124	-	124	46	126 (XL)
	Medium Cassette	min	-		-	-	63	-	92 (L)
	Small Cassette	min	40		40	63	-	-	33 (M)