

FORMAT SHEET STD PAL

ITEM		SD												
		UNIT	DIGITAL BETACAM	MPEG IMX	BETACAM SX	DVCAM	DVCPRO 50	DVCPRO P	D1	D2	D3	D5	D7 / DVCPRO	DIGITAL S / D9
Width			12.65	12.65	12.65	6.35	6.35	6.35	19.01	19.01	12.65	12.65	6.35	12.65
Total Thickness		mm	14.0	13.5	14.0	7.0	8.5	8.5	12.3/15.3	12.7	11.0	11.0	8.5	14.4
Tape Material		µm -	Metal Coating	Metal Coating	Metal Coating	Metal Evaporated	Metal Coating	Metal Coating	Oxide	Metal Coating	Metal Coating	Metal Coating	Metal Coating	Metal Coating
Performance			4:2:2	4:2:2	4:2:2	4:1:1	4:2:2	4:2:0 P	4:2:2			4:2:2	4:1:1	4:2:2
Signal		-	Component	Component	Component	Component	Component	Component	Component	Composit	Composit	Component	Component	Component
Standardize Frequency	Video	MHz	13.5	13.5	13.5	13.5	13.5	27	13.5	17.7	17.7	13.5	13.5	13.5
	Sound	kHz	48	48	48	48/32	48	48	48	48	48	48	48	48
Quantization	Video	bit	10	8	8	8	8	8	8	8	10	10	8	8
	Sound	bit	20	24/16	16	16/12	16	16	16 ~ 20	20	16/20	16/20	16	20
Audio CH			4	4/8	4	2/4	4	4	4	4	4	4	2	4
Compression Format		-	Field	MREG2	MREG2	Flame	Flame	Flame	-	-	-	-	Flame	Flame
			DCT	422P@ML	422P@ML	DCT+VLC	DCT	DCT					DCT	DCT
Compression Rate		-	1/2	1/3.3	1/10	1/5	1/3.3	1/5	-	-	-	-	1/5	1/3.3
Video Recording Rate		Mbps	88	50	18	25	50	50	173	94	94	250	25	50
Tape Speed		mm/s	96.7	53.8	59.6	28.2	67.6	67.6	286.9	131.7	83.9	167.2	33.9	57.7
Relative Speed		m/s	19.08		19.1	10.2	10.2	10.2	35.6	30.5	23.9	23.9	10.2	14.5
Truck Pitch		µm	26	21.7	32	15	18	18	45	35.2	18	18	18	20
Minimum Recording Wave Length		µm	0.59	0.56	0.74	0.49	0.49	0.49	0.89	0.79	0.71	0.70	0.49	0.59
Head Drum Rotation		µm	75	50	75	150	150	150	150	100	100	100	150	75
Head Drum Diameter		Hz	81.4	81.4	81.4	21.7	21.7	21.7	75	96.4	76	76	21.7	62
Max Recording Time	Large Cassette	min	124	220	194	184 (Std)	92	92	94	208	185	124	184	124
	Medium Cassette	min	-	-	-	-	33	33	34	94	94	63	66	
	Small Cassette	min	40	71	62	40 (min)	-	-	6	32	50	23	-	