

Specifications



COMPONENT DIGITAL
4:2:2

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General		Recorder BR-D92E	Player BR-D52E	Recorder BR-D85E	Recorder BR-D80E	D-9/S-VHS Player BR-D51E*	Player BR-D50E
Rec/PB time		124 min. (DS-124)	←	←	←	←	←
FF/Rew time		3 min. (DS-124)	←	←	←	←	←
Picture search		±32 x visible picture	←	←	←	←	←
Slow motion		±1/3 x with full picture quality (remote required)	←	←	←	←	←
Tape		1/2 inch metal particle	←	←	←	←	←
Tape speed		57.737 mm/s	←	←	←	←	←
Tracks (video / audio)		12 per frame	←	←	←	←	←
Track pitch		20 nanometer	←	←	←	←	←
Control track		1	←	←	←	←	←
Audio cue tracks		2	←	←	←	←	←
Head drum diameter		62 mm	←	←	←	←	←
Head rotation		4500 rpm	←	←	←	←	←
Dimensions		429 (W) x 188 (H) x 567 (D) mm (16-15/16" x 7-7/16" x 22-3/8")					←
Weight		25 kg (55.1 lbs)	24 kg (52.9 lbs)	23 kg (50.7 lbs)	23 kg (50.7 lbs)	23 kg (50.7 lbs.)	22 kg (48.5 lbs.)
Power consumption		180 W	160 W	180 W	180 W	180 W	160 W
Power requirement		AC 220 to 240 V 50/60 Hz					←
Temp	Operating	5°C to 40°C (41°F to 104°F)					←
	Storage	-20°C to 60°C (-4°F to 140°F)					←
Humidity		30% to 80%					←

Video

Sampling		4:2:2 8-bit		←	←	←	←	←
Y		13.5 MHz		←	←	←	←	←
R-Y/B-Y		6.75 MHz		←	←	←	←	←
Compression		3.3:1 DCT based intraframe coding		←	←	←	←	←
Data rate		50 Mbps		←	←	←	←	←
Frequency response (SDI in, analogue out)	Y	25 to 5.75 MHz, +0.5 / -2.0 dB (analogue out)		25 to 4.5 MHz, +1.0 / -2.0 dB (analogue out)		←	←	←
	R-Y/B-Y	25 to 2.75 MHz, +/-1.0 dB		←	←	←	←	←
S/N (SDI in analogue out)		55 dB		←	←	←	←	←
Pre-read window		5H	-	2H	-	-	-	-
SDI I/O (unbalanced)		option w/ embeded audio		Standard	option	option	option	option
Analogue I/O (75 ohms unbalanced)	Composite	1Vp-p ← (out)		←	←	← (out)	← (out)	← (out)
	Y/C:	Not available	Not available	Y: 1 Vp-p, ← C: 0.3 Vp-p (Burst)		← (out)	← (out)	← (out)
		Component	Y: 1 Vp-p ← (out) R-Y / B-Y: 0.7 Vp-p		←	←	← (out)	← (out)
	Reference	0.45Vp-p (loop)		←	←	←	←	←

Video Control Adjustment range

System sync phase	±3 nanoseconds or more	←	←	←	←
System SC phase	360 degrees or more	←	←	←	←
Video phase	±1.0 nanoseconds or more	←	←	←	←
Video level	±3 dB or more	±3 dB or more (remote required)		←	←
Chroma level	±3 dB or more	±3 dB or more (remote required)		←	←
Setup level	0 mV or less to 100 mV	0 mV or less to 100 mV or more (remote required)		←	←

Audio

System	4ch PCM, 32/48 kHz, 16 bit	2ch PCM, 48 kHz, 16 bit	←	←
Frequency response	20 to 20,000 Hz +1/-1.5 dB	←	←	←
Dynamic range	More than 85 dB (at 1 kHz)	←	←	←
Distortion	Less than 0.1% (1 kHz at operation level)	←	←	←
Crosstalk	Less than -75 dB (at 1 kHz)	←	←	←
Headroom	18 dB	20 dB	←	←
Emphasis	Automatic switching in play	←	←	←
Wow and flutter	Below measurable level	←	←	←
SDI I/O	option (embedded)	option (embedded)	option	option
Analogue input	Line: -6 / 0 / +4 dB high impedance balanced	←	←	←
Analogue output	Line: -6 / 0 / +4 dB high impedance balanced	←	←	←
Monitor	-6 dB low impedance balanced	←	←	←
Headphones	Infinity to -20 dBs, 8 ohms	←	←	←

* D-9 specifications only.

All model numbers, specifications and prices are subject to change without notice.

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