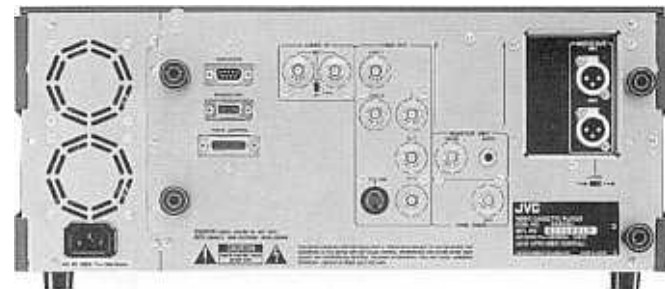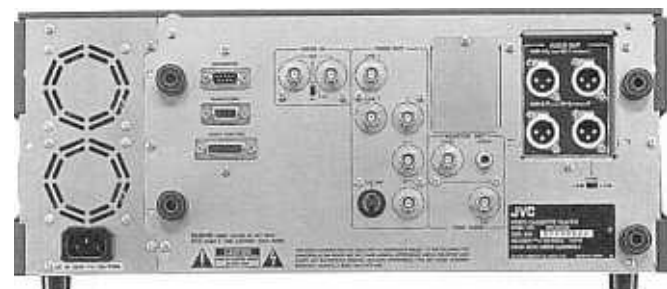**D-9** COMPONENT DITAL

BR-D51U

BR-D50U

COMPONENT DIGITAL **4:2:2**

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BR-D51U: S-VHS compatible

■ 2 hour S-VHS playback
■ Two S-VHS Hi-Fi audio plus two S-VHS normal audio channel outputs

Both BR-D51U and BR-D50U

■ Editing Feeder/Players
■ High quality 50Mbps, 8 bit, 4:2:2 D-9 playback
■ 2 hour (124 minute) playback time with DS-124 cassette
■ ±1/3 variable speed playback (field / frame selectable) in Digital S mode
■ Jog / shuttle control
■ Analog I/O: Composite, Y/C, Component (Y, R-Y, B-Y)
■ Two 16 bit 48kHz PCM audio channels
■ Two Digital S cue audio tracks for precise audio editing
■ Front panel TBC adjustment of System, SC and video phases
■ Remote TBC adjustment via 15 pin D-Sub connector including video level, chroma phase, chroma level, and pedestal level
■ RS-422A standard editing and control with external editing controllers
■ RS-232C serial port for diagnostics
■ LTC / VITC time code
■ Rugged die cast chassis using ceramic tape guide rollers and sapphire flanges for long life
■ Center rotating head design for long head life

Options

■ SA-D50U: Optional SMPTE 259U serial digital output and optional AES / EBU serial audio output
■ SA-K67U: Rack mount
■ RM-G22U: TBC remote control unit

Optional Accessories

SA-D50U
Serial Digital Interface

SA-K67U
D-9 series Rack Mount

JVC PROFESSIONAL

General	Recorder BR-D92U	Player BR-D52U	Recorder BR-D85U/UNS	Recorder BR-D80U	D-9/S-VHS Player BR-D51U*	Player BR-D50U
Rec/PB time	124 min (D-S124)	←	←	←	←	←
FF/Rew time	3 min (DS-104)	←	←	←	←	←
Picture search	±32 x visible picture (remote required)		←	←	←	←
Slow motion	±1/3 x with full picture quality	←	←	←		
Tape	1/2 inch metal particle	←	←	←	←	←
Tape speed	57.737 mm/s	←	←	←	←	←
Tracks (video / audio)	10 per frame	←	←	←	←	←
Track pitch	20 nanometer	←	←	←	←	←
Control track	1	←	←	←	←	←
Audio cue tracks	2	←	←	←	←	←
Head drum diameter	62 mm	←	←	←	←	←
Head rotation	4500 rpm	←	←	←	←	←
Dimensions	W x H x D 16-15/16" x 7-7/16" x 22-3/8" (429 mm x 188 mm x 567mm)					←
Weight	55.1 lbs. (25 kg)	52.9 lbs. (24 kg)	50.7 lbs. (23 kg)	50.7 lbs. (23 kg)	50.7 lbs. (23 kg)	48.5 lbs. (22 kg)
Power consumption	180 W	160 W	180 W	180 W	180 W	160 W
Power requirements	AC 120 V~, 60 Hz	←	←	←	←	←
Temperature — Operating	41 to 104°F (5 to 40°C)	←	←	←	←	←
Temperature — Storage	-4 to 140°F (-20 to 60°C)	←	←	←	←	←
Humidity	30% to 80%	←	←	←	←	←

Video

		BR-D92U	BR-D52U	BR-D85U/UNS	BR-D80U	BR-D51U	BR-D50U
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, analog out)	Y	0 to 5.75 MHz, +0.5 / -2.0 dB (analog out)		0 to 4.5 MHz, +1.0 / -2.0 dB (analog out)		←	←
	R-Y/B-Y	0 to 2 MHz, +/-1.0 dB		←	←	←	←
S/N (SDI in analog out)		55 dB	←	←	←	←	←
K factor		2%	←	←	←	←	←
Pre-read window		5 H	-	2 H	-	-	-
SDI I/O (unbalanced)		option w/ embeded audio		Standard/op.	option	option	option
Analog I/O (75 ohms unbalanced)	Composite	1 Vp-p	← (out)	←	←	← (out)	← (out)
	Y/C:	Not available	Not available	Y: 1 Vp-p, C: 0.286 Vp-p (Burst)	←	← (out)	← (out)
	Component	Y: 1 Vp-p R-Y / B-Y: 0.7 Vp-p	← (out)	←	←	← (out)	← (out)
	Reference	0.45 Vp-p (loop)	←	←	←	←	←

Video Control Adjustment range

	BR-D92U	BR-D52U	BR-D85U/UNS	BR-D80U	BR-D51U	BR-D50U
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)		←	←
Chroma phase	±30 degrees or more		±30 degrees 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

	BR-D92U	BR-D52U	BR-D85U/UNS	BR-D80U	BR-D51U	BR-D50U
System	4 ch PCM, 48 kHz, 16 bit		2 ch PCM, 48 kHz, 16 bit		←	←
Frequency response	20 to 20,000 Hz +1/-1.5 dB	←	←	←	←	←
	Less than 85 dB (at 1 kHz)	←	←	←	←	←
	Less than 0.1% (1 kHz at operation level)		←	←	←	←
	Less than 75 dB (at 1 kHz)	←	←	←	←	←
	20 dB	←	←	←	←	←
	Automatic switching in play					
	Below measurable level	←	←	←	←	←
	option (embedded)	option (embedded)	option	option	option	option
Analog input	Line: -6 / +4 dB high impedance balanced		←	←	←	←
Analog output	Line: -6 / +4 dB low impedance balanced		←	←	←	←
Monitor	-6 dB low impedance balanced		←	←	←	←
Headphones	Infinity to -17 dBs, 8 ohms	←	←	←	←	←

* D-9 specifications only.

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