

Camcorder Specifications



General	D-9 Camcorder DY-90U	D-9 Camcorder DY-90WU/CL	D-9 Camcorder DY-70U	D-9 Dockable Recorder BR-D40U
Recording time	Max 124 min with DS-124 cassette	←	←	←
Weight	Approx. 15.2 lbs. (6.9 kg) including lens, viewfinder, battery and tape	Approx. 15.8 lbs. (7.2 kg) including lens, viewfinder, battery and tape	Approx. 15 lbs. (6.8 kg) including lens, viewfinder, battery and tape	Approx. 8.6 lbs. (3.9 kg)
Power consumption	Max 33 W, Rec. 29 W including lens and viewfinder	Max 34 W, Rec. 30 W including lens and viewfinder	Max 34 W, Rec. 30 W including lens and viewfinder	Max 28 W, Rec. 22 W
Battery DC input range	11-17 V DC	←	←	←
Operating temperature	+32 to 104 °F, 0 to 40 °C	←	←	←
Dimensions	15-1/16"(W) x 11-11/16"(H) x 6-1/16"(D)	15-1/16"(W) x 11-11/16"(H) x 6-1/16"(D)	←	11-7/8"(W) x 10-1/2"(H) x 5-5/8"(D)

Imaging

Sensor	3 x 2/3" Interline transfer CCDs	←	3 x 1/2" Interline transfer CCDs
Picture elements	768 (H) x 493 (V) 380,000	980 (H) x 494 (V) 480,000	380,000
Optical system	2/3" F 1.4 RGB prism	←	1/2" F 1.4 RGB prism
Mount	2/3" bayonet	←	1/2" bayonet
Filter	3200K, 5600K + 1/4 ND, 5600K, 5600K + 1/16 ND	3200K, 5600K, 5600K + 1/16 ND, EFFECT(STAR)	3200K, 5600K + 1/8 ND, 5600K + 1/64 ND
Sensitivity	F11 / 2000 lux	←	←
Minimum illumination	F1.4 / 4 lux, +18 dB	←	←
Lolux Minimum Illumination	F1.4 / 0.75 lux Lolux mode	←	←
Synchronization	Internal/external (auto) (VBS or BB)	←	←
Registration	0.05 % Without lens, distortion in all area	←	←
Shutter	1/60, 1/100, 1/250, 1/500, 1/1000, 1/2000, variable in ALC	←	←
Variable scan	60.5 – 1966.7 Hz	60.1 – 2068.6 Hz	60.1 – 2084.6 Hz
Detail correction	Vertical: 2 H Horizontal: 7 MHz, 2.5 MHz, and Mix	←	←
Color bar	SMPTE type	←	←
Gain	-3, 0, 6, 9, 12, 18 dB Variable gain in ALC and Lolux	←	←

Recorder Video

Tape speed	57.737 mm/sec.	←	←	←
Sampling frequency	Y: 13.5 MHz R-Y / B-Y: 6.75 MHz	←	←	←
Compression	3.3:1, DCT based Intra-frame compression	←	←	←
Data rate	50 Mbps	←	←	←
Video input	No	←	←	Y,Cb,Cr analog component via 50 pin connector SA-S40U adapter
Video output	Composite	←	←	←

Recorder Audio

Tracks	4x digital, 2x Cue analog	←	←	←
System	4 channel PCM 16 bit / 48 kHz	←	←	←
Frequency response	20-20,000 Hz (+1/-1.5dB)	←	←	←
Distortion	Less than or equal to 0.1%	←	←	←
Cross talk	Less than or equal to -70 dB	←	←	←
Audio input	Camera: 1x6-pin and 3x+48V XLR -20 dBs / 10 kohms balanced, Line: +4 dBs / 10 kohms balanced	←	←	Camera: (via 50 pin) -20 dBs / 10 kohms balanced, Line: +4 dBs / 10 kohms balanced
Audio output	Line: 0 dBs / Low impedance, balanced (XLR-5) Headphone: infinity to -17 dBs, Low impedance	←	←	←

Time Code

Input / output	0+/- 6 dBs high impedance	←	←	←
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