

Camcorder Specifications



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General	D-9 Camcorder (4: 3) DY-90E	D-9 Camcorder (16: 9/4: 3) DY-90WE	D-9 Camcorder (4: 3) DY-700E	D-9 Dockable Recorder BR-D40E
Recording time	Max 124 min with DS-124 cassette	←	←	←
Weight	Approx. 6.9 kg including lens, viewfinder, battery and tape	Approx. 7.2 kg including lens, viewfinder, battery and tape	Approx. 8.5 kg including lens, viewfinder, battery and tape	Approx. 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 40 W, Rec. 34 W including lens and viewfinder	Max 28 W, Rec. 22 W
Battery DC input range	11-17 V DC	11-17 V DC	←	←
Operating temperature	0 to 40 °C	0 to 40 °C	←	←
Dimensions	153.5 (W) x 296 (H) x 368.5 (D)	←	141 (W) x 306.5 (H) x 435.5 (D)	142 (W) x 266 (H) x 301 (D)

Imaging

Sensor	3 x 2/3" Interline transfer CCDs	←	3 x 1/2" Interline transfer CCDs
Picture elements	754 (H) x 581 (V) 440,000	980 (H) x 570 (V) 480,000	440,000
Optical system	2/3" F1.4 RGB prism	←	1/2" F1.4 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
Sensitivity	F11 / 2000 lux	←	F8 / 2000 lux
Minimum illumination	F1.4 / 4 lux, +18 dB	←	F1.4 / 7.5 lux, +18 dB
Lolux minimum illumination	F1.4 / 0.75 lux Lolux mode	←	F1.4 / 1.5 lux
Synchronisation	Internal/external (auto) (Ves or BB)	←	Internal
Registration	0.05 % without lens, distortion in all area	←	←
Shutter	1/50, 1/120, 1/250, 1/500, 1/1000, 1/2000, variable in ALC	←	←
Variable scan	50.4 – 1953.1 Hz	←	50.1 – 2067.8 Hz
Detail correction	Vertical: 2 H Horizontal: 7 MHz, 2.5 MHz, and Mix	←	Vertical: 2 H Horizontal: 2 H
Colour bar	EBU full field	←	←
Gain	-3, 0, 6, 9, 12, 18 dB Variable gain in ALC and Lolux	←	0, 9, 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 analogue component via 50 pin connector and SA-S40U adapter
Video output	Composite	←	←	←

Recorder Audio

Tracks	4x digital, 2x Cue analogue	←	2x digital, 2x Cue analogue	←
System	4 channel PCM 16 bit / 48 kHz	←	2 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: 1x 6-pin and 3x+48 V XLR -20 dBs/10 kohms balanced, Line: +4 dBs / 10 kohms balanced	←	Camera: 1x 6-pin and 2x XLR 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	0+/- 6 dBs high impedance	←	←
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