

Digital Camcorder



DY-90WE 16:9/4:3

DY-90E 4:3



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- Light weight 7.2 kilograms (DY-90WE) and 6.9 kilograms (DY-90E) including typical lens, viewfinder, battery and tape
- Only 30 watts power requirement while recording with DY-90WE (29 W with DY-90E)
- Fully digital Camera to Tape parallel digital signal recording, rugged and high quality 50 Mbps, 8-bit, 4:2:2 component D-9 format
- 2-hour (124 minutes) D-9 recording time with DS-124 cassette
- Advanced generation 14-bit digital signal camera processing
- Records four 16-bit 48 kHz PCM audio channels with more than 80 dB dynamic range (75 dB in camcorder playback).
- Both +48 V XLR and 6-pin camera microphone inputs, plus 2 additional +48 V mic/line XLR inputs

Imaging

- Three 2/3" 980H x 685V pixel IT CCDs (DY-90WE) and three 2/3" 745 H x 581 V pixel IT CCDs with total 600% dynamic range reproduction due to exclusive track and hold CCD sampling circuit. Low CCD vertical smear level of minus 120 dB
- High sensitivity of F11 at 2000 lux gives creative flexibility and ease of lighting
- Lolux mode provides outstanding reproduction down to 0.75 lux
- Digital signal processing enables natural detail enhancement, and elimination of spot noise.
- 14-bit DSP processing gives exceptional reproduction of dark areas, highlights and highlight colour.
- Automatic shooting from 4 to 24,000 lux thanks to JVC's pioneering Full Auto Shooting (FAS) mode with continuous automatic white balance.
- Two scene files save advanced custom camera setups in removable setup box in addition to standard setup.
- Other features: One touch black stretch/compress, smooth transition mode, precision "Accufocus" mode, adjustable gamma point, adjustable detail frequency, and continuous auto-black (CAB).

D-9 Recording

- Up to 124 minutes uninterrupted recording with DS-124 cassette.
- Robust 1/2 inch metal particle cassettes
- Automatic editing function (AEF) for smooth cuts
- 4x picture search in both directions
- Quick review function
- Colour video playback for monitoring
- Phantom power supply for microphone inputs
- Built-in monitor speaker and headphones jack
- EBU time code generator with external input and output, external lock, jam sync and seamless time code between takes.
- Time date generator
- Large LCD display indicates time code, modes and functions
- Fully menu configurable
- Tape/Battery remaining indication
- Rugged die cast chassis using ceramic tape guide rollers and sapphire flanges for long life
- Durable and reliable centre rotating head design

(See specification on page 7.)



DY-90WE



DY-90E

Included Accessories

- Tripod plate
- 6-pin camera microphone (not included for DY-90WE)
- Anton Bauer battery holder
- Setup box

Optional Accessories (see page 8)

- Viewfinder
- Lens
- Microphone
- Microphone holder
- Power system
- Case