

DY-90WU/CL 16:9/4:3, DY-90U 4:3



2

- Ergonomic design: controls are conveniently located for ease of use
- Light weight less than 15.2 pounds (DY-90U), 15.8 pounds (DY-90WU) including typical lens, viewfinder, battery and tape
- Only 30 Watt power requirement while recording with DY-90WU (29 W with DY-90U)
- Fully digital Camera to Tape rugged and high quality 50 Mbps, 8 bit, 4:2:2 component D-9 format
- 2 hour (124 minute) D-9 recording time with DS-124 cassette
- Advanced generation 14 bit digital signal processing
- Records four 16 bit 48 kHz PCM audio channels with more than 80 dB dynamic range (75 dB in camcorder playback).
- Both XLR and 6-pin camera microphone inputs, plus 2 additional mic/line XLR inputs
- Choose from either CineLine versions optimized for film-like production, or standard versions of the "W" camera.

Imaging

- Three 2/3" 768 x 493 pixel IT CCDs (DY-90U) and three 2/3" 980 x 494 pixel IT CCDs (DY-90WU) with 600% dynamic range reproduction. Low CCD vertical smear level of -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 gives exceptional reproduction of dark areas, highlights and highlight color.
- 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 D-9 auto blank (CAB).

- Up to 124 minutes uninterrupted recording with DS-124 cassette.
- Robust 1/2 inch metal particle cassettes
- Automatic editing function (AEF) for smooth cuts
- 4 X picture search in both directions
- Quick review function
- High quality video out for color video playback or field monitoring
- +48 V phantom power supply for all XLR microphone inputs
- Built in monitor speaker and headphones jack
- SMPTE 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
- Long life proven D-9 tape transport and head assembly
- Durable and reliable center rotating head design

(See specification on page 7.)



DY-90WU



DY-90U

Included accessories

- Tripod plate
- 6-pin camera microphone (not included for DY-90WU)
- Setup box

Optional accessories (see page 8)

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

CineLine accessories

- A17X9BRM
17:1 servo zoom lens
- A19X87BRM
19:1 Fujinon servo zoom lens
- A20X86BRM-SD
20:1 Fujinon lens (2/3-inch cameras)
- A20X86BERM-SD
20:1 lens w/extender (2/3-inch cameras)
- MBOX-BEL (V)
Bellows style 4-inch matte box (JVC/Sony plate)
- MBOX-RIG (V)
Rigid 4-inch matte box