

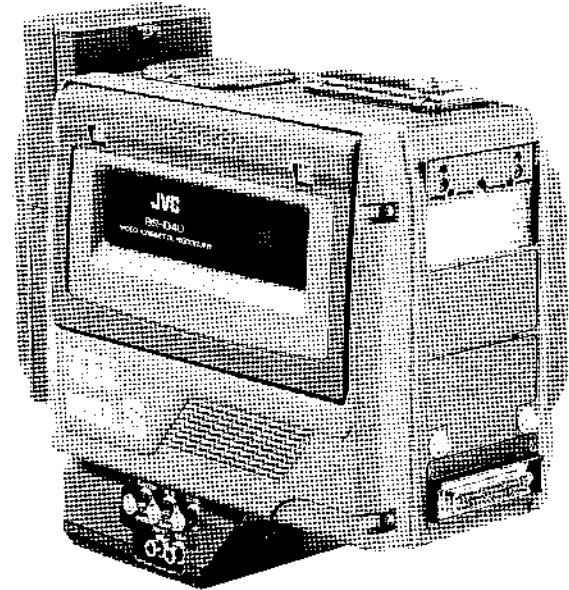
Dockable Recorder



BR-D40E



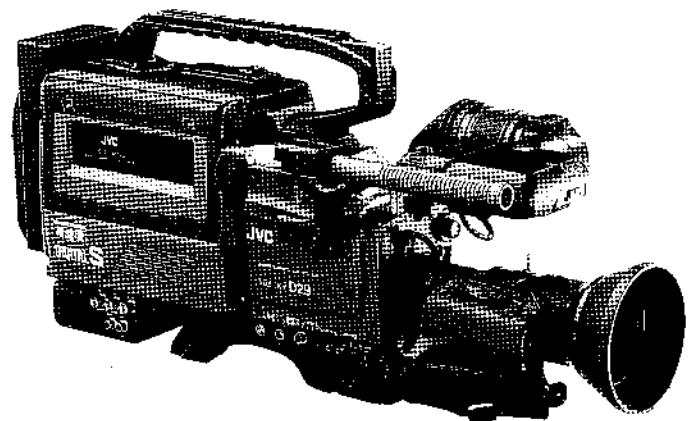
- High D-9 picture quality with 3.3:1 compression and 8-bit 4:2:2 component digital recording at 50 Mbps
- Up to 2 hours (124 minutes) of uninterrupted recording
- Robust 1/2 inch cassettes
- Docks directly to JVC professional camera KY-D29E, KY-27E/BE/CE, and KY-19E
- Docks with older JVC cameras such as KY-15 and KY-25 with optional adapter.
- Docks with Sony DXC, Hitachi and Ikegami cameras with optional adapters.
- Two 16-bit 48 kHz PCM audio channels
- Records two cue audio tracks
- 10x picture search both directions
- Built-in EBU Time Code Reader/Generator with external input and output. Dual Time code recording.
- Time Code generator may be externally locked. Jam Sync makes possible seamless time code edits.
- Built-in Time Date generator
- Quick review function
- Large LCD display indicates time code, modes and functions
- Analogue signal outputs: composite video + audio
- Colour video playback
- Phantom power supply for microphone inputs
- Field-proven heavy duty die cast chassis with ceramic rollers and centre rotating head design for extremely long life
- Sapphire flanges and tape cleaner for carefree operation
- Fully menu configurable
- Automatic Editing Function (AEF) for smooth cuts
- Built-in monitor speaker and earphone jack



(See specification on page 7.)

Optional Accessories (see page 8)

- Power system
- SA-S40U stand-alone adapter
- VC-P454B 4 meter 26-pin to 26-pin cable to camera



(Shown with optional camera head)

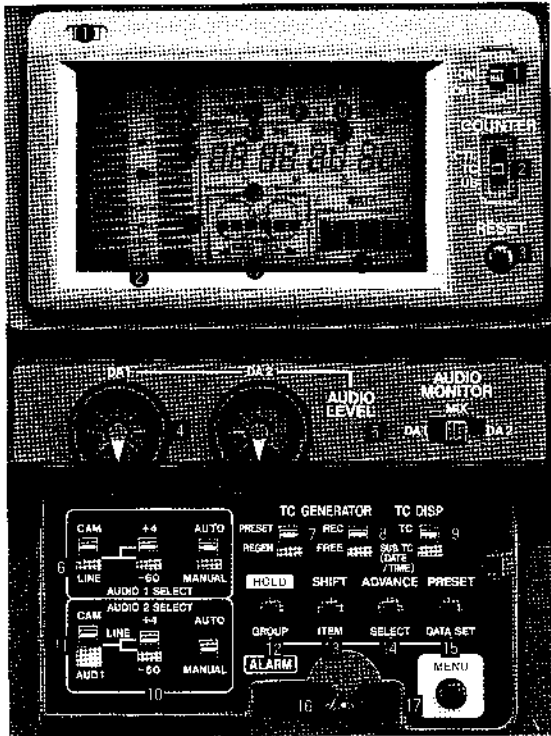
Operations



BR-D40E



LCD display section



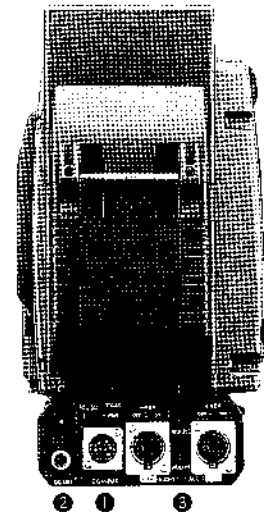
DISPLAY

- ① OPERATE ON/WARNING indicator
- ② DA1/DA2 (audio channel 1/audio channel 2) level meter
- ③ AUTO OFF indicator
- ④ DEW indicator
- ⑤ DIAG indicator
- ⑥ SERVO UNLOCK indicator
- ⑦ RF LOW LEVEL indicator
- ⑧ Lithium backup battery indicator
- ⑨ MENU indicator
- ⑩ SLAVE LOCK indicator
- ⑪ TC PB indicator
- ⑫ HOLD indicator
- ⑬ Counter display
- ⑭ H (hour meter) indicator
- ⑮ Tape remaining time indicator
- ⑯ Tape direction indicator
- ⑰ Battery indicator

CONTROL

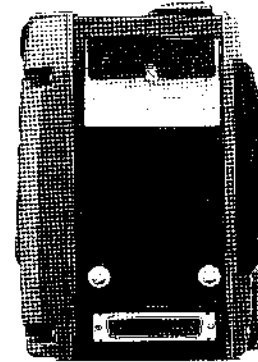
- ① LIGHT
- ② COUNTER
- ③ COUNTER RESET
- ④ AUDIO LEVEL control DA1/DA2
- ⑤ AUDIO MONITOR switch
- ⑥ AUDIO INPUT 1 select switches
- ⑦ TC GENERATOR PRESET/REGEN switch
- ⑧ TC GENERATOR REC/FREE RUN switch
- ⑨ TC DISP TC/SUB TC switch
- ⑩ AUDIO INPUT LEVEL selection switch
- ⑪ AUDIO INPUT 2 select switches
- ⑫ HOLD (GROUP) button
- ⑬ SHIFT (ITEM) button
- ⑭ ADVANCE (select) button
- ⑮ PRESET (DATA SET) button
- ⑯ ALARM volume
- ⑰ MENU button

Rear panel

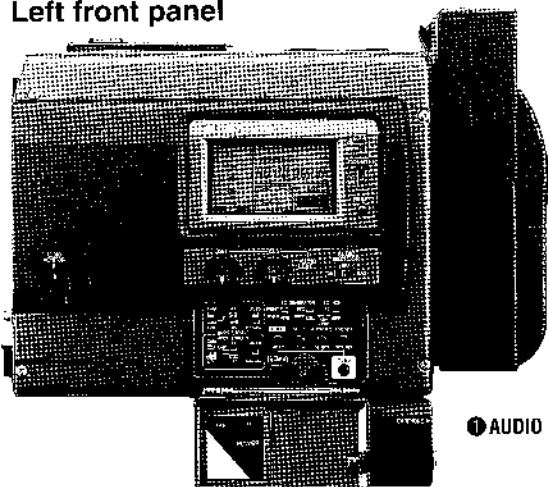


- ① DC INPUT
- ② DC OUT
- ③ AUDIO INPUT CH-1/CH-2
- ④ REMOTE/SERVICE connecto
- ⑤ TALLY lamp/switch
- ⑥ +48 V phantom power swit
- ⑦ Earphone jack

Interface panel

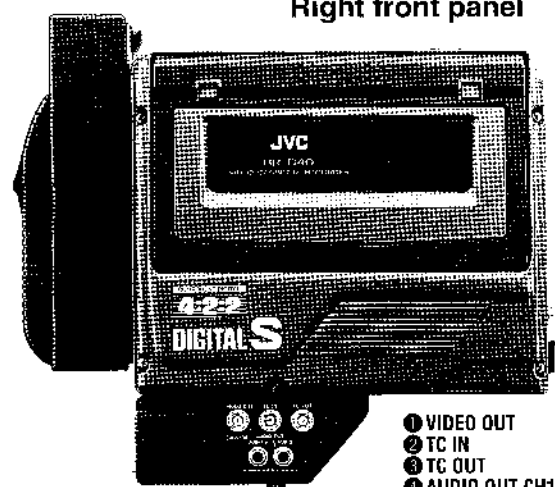


Left front panel



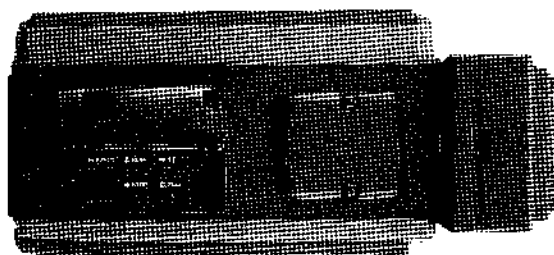
- ① AUDIO MONITOR control

Right front panel



- ① VIDEO OUT
- ② TC IN
- ③ TC OUT
- ④ AUDIO OUT CH1/CH2

Operation panel section



- ① EJECT button/Lamp
- ② REW button/Lamp
- ③ FF button/Lamp
- ④ STOP button/Lamp
- ⑤ PLAY button/Lamp
- ⑥ Operation panel cover

Camcorder Specifications



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" F 1.4 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) (Yes 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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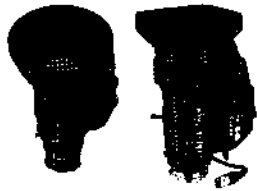
Optional Accessories



DY-90WE/DY-90E/DY-700E/BR-D40E



DY-90E



A19x8.7B12U
19:1 Power Zoom Lens
YJ18x9.5BK12U (Canon)
18:1 Power Zoom Lens

DY-90E



A19x8.7B10U
19:1 lens for KY-D29WE
(Fujinon w/2x extender)
A15x8BEVM
15:1 Power Zoom Lens
A10x4.8BEVM
10:1 Power Zoom Lens
A20x8BEVM
20:1 Power Zoom Lens

DY-90E



(Canon, w/2x extender)
J15ax8BIRS
15:1 Power Zoom Lens
J9ax5.2BIRS
9:1 Power Zoom Lens
J20ax8EIRS
20:1 Power Zoom Lens

DY-700E



(Fujinon)
S14x7.5B12U
14:1 Power Zoom Lens
S19x6.5B12U
19:1 Power Zoom Lens

DY-700E

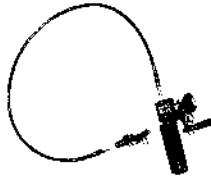


(Canon)
YH14x7.3K12U
14:1 Power Zoom Lens
YH18x6.7K12U
18:1 Power Zoom Lens

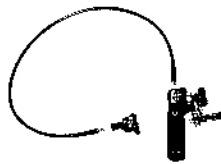
HZ-ZS13BU
Zoom Servo/Trigger control



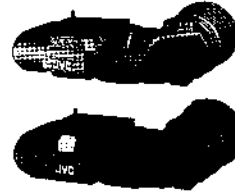
HZ-FM13U (Fujinon)
Manual Focus Control



HZ-FM15U (Canon)
Manual Focus Control



VF-P116E/VF-P116WE
Heavy Duty 1.5" Viewfinder for DY-90E/DY-90WE



VF-P115E
1.5" Viewfinder



MV-P612U
Stereo Microphone 6-pin



MV-P615U
Monaural Microphone XLR for DY-90E



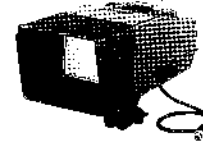
MV-P616U
Monaural Microphone 6-pin for DY-700E/DY-90



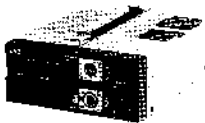
VF-P400E
4" Viewfinder



VF-P550BE/VF-P550BWE
(for DY-90E/DY-90WE)
5" Viewfinder



AA-P250U
AC Power Adapter



KA-A90U
Mic Holder for DY-90E



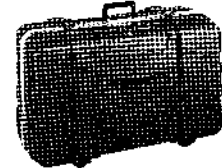
KA-A70U
Mic Holder for DY-700E



CB-P27U
Carrying Case



CB-P29U
Carrying Case



QR-27
Battery Adapter



BH-P27U
Battery Holder



NP-1 Type Battery
(User-supplied battery and holder)

