

# SONY®

NTSC

Digital Videocassette Recorder

# DSR-V10

## DVCAM™

*Handy DVCAM™ Deck,  
the New Sony Video Walkman®  
for Professional Video Applications*

*Field editing system*

*Hands-free shooting with mini cameras*

*Back-up VTR*

*Handy desk-top viewer*

*and many more.....*



\*Simulated Picture

*Compact and lightweight, excellent picture quality, high mobility, great operational performance and a full range of optional items are all elements of the Sony DSR-V10 Video Walkman digital recorder that enable you to create professional produced videos anytime and anywhere.*

### *DVCAM Format/DV Playback Capability*

The DSR-V10 uses the DVCAM format to give the high video and audio quality, and the reliability required for professional use. It will also play back consumer DV format tapes (SP mode only).

<NOTE>The DSR-V10 can only accept mini DVCAM and DV cassettes. It does not accept standard size cassettes.

### *Built-in LCD Monitor*

The DSR-V10 incorporates a 5.5-inch LCD. This gives easy field monitoring of your acquired video and can also serve as a handy office viewer. With this built-in display, there is no need for an additional monitor.



DSR-V10

\*Simulated Picture

### *InfoLITHIUM™ Battery System for Long Operating Time*

With this system the precise duration of battery time remaining can be displayed on the DSR-V10 with up-to-the-minute accuracy. The combination of Lithiumion batteries and the low power consumption of the DSR-V10 provides the long operating times listed below.

Continuous Recording Time with LCD ON	
Battery Type	Full Charge
NP-F750	100 min.
NP-F950/B	155 min.

<NOTE>The DSR-V10 can only accept InfoLITHIUM compatible battery packs. Except for InfoLITHIUM batteries, the unit can operate on AC power with the supplied Sony DK-415 cable and AC-V700 AC Adaptor Charger.

### *Compact and Lightweight Body*

By incorporating a compact VTR mechanism, the DSR-V10 is extremely small and lightweight. It weighs only 970 g excluding a tape and batteries.



### *i.LINK™ (DV IN/OUT) Interface*

The DSR-V10 incorporates the i.LINK (DV IN/OUT) interface which is based on IEEE 1394. It allows digital video/audio signal transmission with other VTRs and computers using a single wire connection. With this connection, the source material can be dubbed and edited without any deterioration of video and audio quality.



### *Other Features*

Analog video/audio IN/OUT  
 Audio dubbing capability  
 Auto repeat function  
 Time code reset  
 Duplicate with original TC





## Simple Field Editing System with DSRM-E1 Edit Adaptor

The DSR-V10 can be configured as a simple field editing system with the optional Sony DSRM-E1 Edit Adaptor and DVCAM camcorders such as the Sony DSR-PD1. This allows you to perform simple editing in the field or while in transit between different locations.

### Main Features of the DSRM-E1

- Direct connection to the DSR-V10 via a 20-pin connector
- Controls LANC VTRs as players (DSR-PD1/ DSR-20/ DSR-30)
- Built-in Jog/Shuttle dial
- Assemble editing with up to 99 events x 4 programs



Simple Editing System  
(DSR-V10,DSRM-E1,DSR-PD1)

\*Simulated Picture

## Optional CVX-V1 and CVX-V3 New Mini Cameras

The Sony CVX-V1 and CVX-V3 Color Video Cameras are new mini models that are ideal for use with the DSR-V10. These two cameras provide excellent picture quality, despite being remarkably compact. In fact their small body size opens up the possibility of totally hands-free shooting in partnership with the DSR-V10 - for example by helmet-mounting the camera.

### Main Features of the CVX-V1

- Thumb-sized and lightweight (Camera head: 25 g, CCU: 135 g)
- 1/4-inch CCD Camera (410 k pixels)
- Directly attached to the Video Walkman 20-pin connector (via the supplied Video Walkman Attachment)
- F1.8/f=3.9 mm lens with manual focus/iris
- Cable length : 2 m



DSR-V10,CVX-V1

### Main Features of the CVX-V3

- Small and lightweight (Camera head: 75 g, CCU: 135 g)
- 1/4-inch CCD Camera (410 k pixels)
- x 3 Zoom lens
- Built-in stereo microphone
- Splash-proof (Camera head )
- Directly attached to the Video Walkman 20-pin connector (via the supplied Video Walkman Attachment)
- Cable length : 2 m



DSR-V10,CVX-V3

## Accessories

- AC-V700 AC Adaptor/Charger
- NP-F750, NP-F950/B Battery Pack
- VMC-2DV/4DV DV Cable

\*Simulated Picture

# SPECIFICATIONS

## DSR-V10

### GENERAL

Mass:	970 g (2 lb 3 oz) (without a tape and battery)
Dimensions:	148 (W) x 62 (H) x 135 (D) mm (5 13/16 x 2 7/16 x 5 5/16) inches
Power Requirements:	DC: 7.2 V (battery operation) DC: 8.4 V (AC adaptor operation)
Power Consumption:	11.5 W (with LCD panel ON)
Operating Temperature:	0 °C~40 °C (32 °F~104 °F)
Storage Temperature:	-20 °C~60 °C (-4 °F~140 °F)
Tape Speed:	28.2 mm/sec. (DVCAM mode)
LCD Screen:	5.5-inch
Digital IN/OUT:	i.LINK(DV IN/OUT) x 1(4-pin), IEEE-1394 based

### VIDEO

Video Signal:	EIA standard, NTSC color
Video Input/Output:	Composite x 1 (RCA pin): 1V p-p, 75 Ω, unbalanced, sync negative
	S video x 1 (mini-DIN 4-pin): Luminance signal : 1V p-p, 75 Ω, unbalanced, sync negative
	Chrominance signal : 286 mVp-p(subcarrier burst), 75 Ω, unbalanced

### AUDIO

Audio signals:	Recording: 48 kHz/16-bit, 32 kHz/12-bit, Playback: 48 kHz/16-bit, 32 kHz/12-bit, 32 kHz/16-bit, 44.1 kHz/16-bit
Audio Input/Output:	Phono jack (Stereo x 1(L x R), RCA x 2): -7.5 dBs, (0 dBu=0.775 Vrms)

### OTHER CONNECTORS

LANC:	Stereo mini-mini jack
Headphone:	Stereo mini jack 8 Ω
Camera/Editor connector:	20-pin

### SUPPLIED ACCESSORIES

AC-V700 AC Adaptor/Charger  
DK-415 DK Cable  
Carrying Belt  
Operating instruction manual

## DSRM-E1

### GENERAL

Mass:	Main Unit: 160 g (5.6 oz) Controller: 340 g (12 oz)
Dimensions:	Main Unit: 69 (W) x 61 (H) x 134 (D) mm (2 3/4 x 2 1/2 x 5 3/8) inches Controller: 184 (W) x 42 (H) x 128 (D) mm (7 1/4 x 1 11/16 x 5 1/8) inches
Power Requirements:	DC:7.2 V (supplied from the DSR-V10) DC:8.4 V (AC adaptor operation)
Power Consumption:	Approx. 1.8 W
Operating Temperature:	0 °C~40 °C (32 °F~104 °F)
Storage Temperature:	-20 °C~60 °C (-4 °F~140 °F)

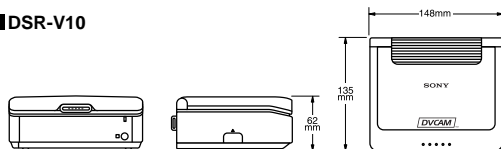
### CONNECTORS

Multi Connector:	20-pin
Control Unit:	Mini DIN 8-pin
LANC:	Stereo mini-mini jack

### MONITOR OUTPUT

Video Output:	Composite x 1 (RCA pin): 1V p-p, 75 Ω, unbalanced, sync negative
Audio Output:	Phono jack (Stereo x 1 (L1, R1)): 327 mV, impedance 470 Ω or less

■ DSR-V10



## CVX-V1

### GENERAL

Mass:	Camera Unit: 25 g (0.85 oz) CCU: 135 g (4.8 oz) (without a battery)
Dimensions:	Camera head: 22 (W) x 18 (H) x 60 (D) mm (1 4/16 x 23/32 x 2 3/8) inches CCU: 35 (W) x 110 (H) x 60(D) mm (1 7/16 x 4 3/8 x 2 3/8) inches
Power Requirements:	DC: 7.2 V (battery operation) DC: 8.4 V (AC adaptor operation)
Power Consumption:	1.8 W
Operating Temperature:	0 °C~40 °C (32 °F~104 °F)
Storage Temperature:	-20 °C~60 °C (-4 °F~140 °F)

### CAMERA

Image Device:	1/4-inch Interline Transfer CCD
Picture Elements:	Total: 410 k Effective: 380 k
Lens	F1.8
Focal Length:	f=3.9 mm (35 mm conversion: 38 mm)
Minimum Illumination:	2 lux
Gain Selection:	AUTO/Hold
White Balance:	AUTO/Hold
Shutter Speed:	AUTO, 1/60, 1/100, 1/250, 1/500, 1/2000, 1/10000

### OTHER CONNECTORS (on CCU)

External mic IN:	Stereo mini-mini jack
Multi connector:	20 pin
Battery connector	

### SUPPLIED ACCESSORIES

Video Walkman Attachment Unit  
Operating Instruction Manual

## CVX-V3

### GENERAL

Mass:	Camera head: 75 g (2.6 oz) CCU: 135 g (4.8 oz)(without a battery)
Dimensions:	Camera head: 36 (W) x 40 (H) x 70 (D) mm (1 7/16 x 1 5/8 x 2 7/8) inches CCU: 35 (W) x 110 (H) x 60 (D) mm (1 7/16 x 4 3/8 x 2 3/8) inches
Power Requirements:	DC: 7.2 V (battery operation) DC: 8.4 V (AC adaptor operation)
Power Consumption:	1.8 W
Operating Temperature:	0 °C~40 °C (32 °F~104 °F)
Storage Temperature:	-20 °C~60 °C (-4 °F~140 °F)

### CAMERA

Image Device:	1/4-inch Interline Transfer CCD
Picture Elements:	Total: 410 k Effective: 380 k
Lens	F 2.8-4
Focal Length:	f=3.5 mm ~10.5 mm (35 mm conversion:35 mm~105 mm)
Minimum Illumination:	5 lux
Gain Selection:	AUTO
White Balance:	AUTO

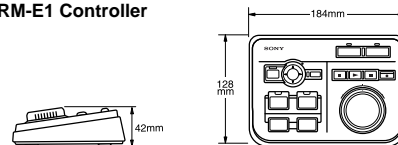
### OTHER CONNECTORS (on CCU)

External mic IN:	Stereo mini-mini jack
Multi connector:	20 pin
Battery connector	

### SUPPLIED ACCESSORIES

Video Walkman Attachment Unit  
Operating Instruction Manual

■ DSRM-E1 Controller



Distributed by

© 1998 Sony Corporation. All rights reserved.  
Reproduction in whole or in part without written permission is prohibited.  
Features and specifications are subject to change without notice.  
All non-metric weights and measures are approximate.  
Sony is a registered trademark of Sony Corporation.  
All other trademarks are the property of their respective owners.